The Migrant

A Quarterly Journal
Devoted To Tennessee Birds

Published by
The Tennessee
Ornithological
Society

MARCH 2016
Vol. 87, No.1

THE MIGRANT
A QUARTERLY JOURNAL OF ORNITHOLOGY
Published by

THE TENNESSEE ORNITHOLOGICAL SOCIETY
The T.O.S. is a non-profit, educational, scientific and conservation organization.

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Printed by: Russell Printing Options, 1800 Grand Ave., Knoxville, TN 37916

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THE MIGRANT

Published by the Tennessee Ornithological Society
to Record and Encourage the Study of Birds in Tennessee
Issued in March, June, September and December

VOL. 87 MARCH 2016 NO. 1

The Migrant 87(1): 1-4, 2016

MASSIVE INVASION OF RED-NECKED GREBES INTO EASTERN TENNESSEE

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The Red-necked Grebe (*Podiceps grisegena*) is a Holarctic species whose North American population breeds primarily in Alaska and Canada. They winter along the Pacific and Atlantic coasts southward to California and Virginia, respectively, and on portions of the Great Lakes (Brinkley 2007, Sibley 2014). They also occur as casual migrants or winter visitors further south coastally and in the interior of the continent.

In Tennessee Red-necked Grebes are rare migrants and winter visitors. Robinson (1990) listed just 14 records in the state occurring from 1920 through 1988. Sightings have increased subsequently with an additional 54 records from 1989 through 2013, mostly in fall or winter (Season reports in *The Migrant*). In particular, there has been a significant increase since the winter of 1993 – 1994; the species has occurred in 17 of the last 21 winters with one to five records per winter of occurrence. Since 1989 the majority of records (72%) have come from five well-birded sites: Reelfoot Lake, Kentucky Lake (i.e., Paris Landing to Britton Ford), Chickamauga Lake, Boone Lake, and South Holston Lake. Robinson (1990) stated that all records up to that time were of one or two birds except for a count of six during 12-27 February 1988 at Chickamauga Lake. Although the number of records has increased since that publication, the number of birds per sighting has remained low, at one to three, with an exceptional count of 15 Red-necked Grebes on 10 March 2004 at South Holston Lake (Lewis 2004).

An invasion of Red-necked Grebes in unprecedented numbers occurred in the eastern half of Tennessee during March 2014 and continued into April. The first reports came on the morning of 4 March after a strong winter storm with widespread rain and snow swept eastward through the center of the nation on the previous day and overnight.

This storm caused a fallout of Red-necked Grebes, along with moderate numbers of ducks and Horned Grebes (*Podiceps auritus*). Reports of Red-necked Grebes from seven sites on 4 March were followed by reports from an additional five sites on the following day. Eventually the species was reported from 34 sites in 26 counties, with the greatest concentration in northeast Tennessee. Two high counts were particularly noteworthy: 180 at Boone Lake on 19 March and 173 at South Holston Lake on 3 April, both more than ten times greater than the state high count prior to this invasion. Small numbers were found in the state as far south as Polk, Hamilton and Marion counties and as far west as Clay, Jackson, Warren and Franklin counties. Addition of the highest count per site provides a total of 497 Red-necked Grebes in the state (Table 1), which seems a reasonable tally of the overall number involved. While it is possible that some birds moved between sites and could have been counted again, it's also likely that others went unseen on bodies of water that were not checked. The total number found during this invasion is remarkable and exceeds the combined total of all previous records in the state.

Some Red-necked Grebes in this invasion were in full breeding plumage, or nearly so (Figure 1), a plumage rarely seen in Tennessee. Several were heard calling on 7 March and later dates at Boone Lake (pers. obs.), giving both a "series of strident, staccato piping calls" (Brinkley 2007:68) and, to a lesser extent, a "low, grunting note" (Sibley 2014:61). This may be the first report of vocalizations by this species in the state. Also at Boone Lake, one pair engaged in a brief side-by-side courtship display on 19 March (pers. obs.). On numerous occasions the grebes on Boone Lake and South Holston Lake were seen to catch small silvery fish, apparently shad (*Dorosoma* sp.). Some grebes lingered for two to four weeks or more, perhaps because of the ample prey base. The last sighting was of one at Boone Lake on 1 May. There were only four previous Tennessee records in May (on 1, 1, 2, and 6-16 May) and no summer records.

What caused this invasion? The first wave was certainly grounded by the storm passage; but, which way were they headed and from where? Evidence indicates that this incursion was a facultative movement away from the Great Lakes due to historic freeze-up conditions which peaked at 92% ice cover by early March. This was the most ice cover on the Great Lakes in about 30 years according to The Weather Channel. Thus, grebes attempting to overwinter on the Great Lakes were forced to seek open water to the south. In similar fashion, large numbers of diving ducks, particularly White-winged Scoters (*Melanitta fusca*) and Long-tailed Ducks (*Clangula hyemalis*), also had departed the Great Lakes due to the ice buildup, although they began arriving in Tennessee by mid-January. These diving ducks likely fed in shallower near-shore waters which iced over earlier, while the grebes could still catch fish in the remaining open water further offshore until it, too, iced over.

There had been four reports of Red-necked Grebe in Tennessee earlier in 2014: one in Gibson County in mid-January and three singles in the Chattanooga area from mid-January to mid-February (some of which may have lingered into March), all well away from the main March fallout area. Were these precursors of the March invasion or just normal winter occurrences?

Kaufman (1994) discussed another massive fallout of Red-necked Grebes in the East and Midwest which occurred in February 1994 that also was attributed to icing of the Great

Lakes. The majority of grebes involved in that event were found to the north or east of Tennessee, with just four reports totaling six Red-necked Grebes in Tennessee from Knox, Sullivan, and Carter counties (Knight 1994, Lewis 1994).

My thanks to the many observers who reported their sightings during this remarkable event and to Larry McDaniel for use of the photo.

Table 1. Reports of Red-necked Grebes in Tennessee during March and April 2014.

Location	Date(s)	Number
John Sevier Lake, Hawkins Co	4-22 Mar	8-1
Boone Lake, Washington and Sullivan Cos	4 Mar - 1 May	86-180
Steele Creek Lake, Sullivan Co	4 Mar	1
South Holston Lake, Sullivan Co	4 Mar - 15 Apr	59-173
Middlebrook Lake, Sullivan Co	4 Mar	1
Watauga Lake, Carter and Johnson Cos	4-23 Mar	38
Lake Karen, Warren Co	4-22 Mar	1
Fort Patrick Henry Lake, Sullivan Co	5-23 Mar	23-1
Fort Loudoun Lake, Blount, Knox and Loudon Cos	5-13 Mar	1-4
Douglas Lake, Sevier and Jefferson Cos	5-24 Mar	3-10
Lake Tansi, Cumberland Co	5 Mar - 18 Apr	2-5
Great Lakes Pond, Carter Co	6 Mar	1
Fall Creek Falls State Park, Van Buren Co	6 / 22 Mar	1 / 2
Meadowview golf course, Sullivan Co	6-8 Mar	1
Bays Mountain Lake, Sullivan Co	6 Mar	2
Lake Ocoee, Polk Co	6 Mar	2
Cherokee Lake, Grainger and Jefferson Cos	7 Mar	15
Chickamauga Lake, Hamilton Co	8 Mar	2
Melton Hill Lake, Roane and Loudon Cos	12-13 Mar	1
Cove Lake State Park, Campbell Co	12-14 Mar	1
Austin Springs, Washington Co	12-30 Mar	1
Phipps Bend, Hawkins Co	15 Mar	1
Watauga River, Carter Co	15-20 Mar	1
Holston River, at Church Hill, Hawkins Co	17 Mar	1
Chota Refuge, Tellico Lake, Monroe Co	18 Mar	1
Upper Douglas Lake, Cocke Co	19-23 Mar	3
Forks of the River WMA, Knox Co	19 Mar	1
Cordell Hull Lake, Jackson Co	21 Mar	1
Huntsville Reservoir, Scott Co	22-26 Mar	1-2
Woods Reservoir, Franklin Co	23-26 Mar	1-2
Nickajack Lake, Marion Co	26-28 Mar	1
Raccoon Mountain, Marion Co	29 Mar	1
Dale Hollow Lake, Clay Co	6 Apr	6
Obey River Recreation Area, Pickett Co	6 Apr	4

Figure 1. Red-necked Grebe, 4 March 2014, Steele Creek Park, Sullivan County, Tennessee. Photo by Larry McDaniel.

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ROUND TABLE NOTE

LEUCISTIC RED-TAILED HAWK FOUND IN LAWRENCE COUNTY - On 15 May, 2014, a Red-tailed Hawk (*Buteo jamaicensis)* was found unable to fly on a farm in Lawrence County near David Crockett State Park. The bird was initially thought to be an albino or possibly a Krider's (*B.j. krideri),* but closer study found the bird to be leucistic. Leucisim is a term that describes a condition that is a result of defects in pigment cell differentiation and/or migration of feathers during development. This defect results in either the entire surface (if all pigment cells do not develop) or patches of body surface (if only a portion of cells are undeveloped) lack the cells capable of making pigment. Some animals have localized or incomplete pigmentation resulting in irregular patches of white on an animal that otherwise has normal coloring and patterning. This partial leucism is known as "pied" or "piebald". This hawk was almost completely white except for a few normally red tail feathers. Even the talons were white. Unlike albino animals the eyes of this bird were normal color.

Figure 1. Leucistic Red-tailed Hawk found in Lawrence County, Tennessee. The yellow wrapping around the left wing is treatment for a severely broken wing. Photo by David Haggard.

This leucistic Red-tailed Hawk was transferred to the Mid-South Raptor Center by a ranger from the state park (Figure 1). An examination found a severely broken wing. The bird was quite thin and had probably been down for a number of days or longer. The wing was wrapped and the bird given fluids. The bird survived for several days but never showed signs of recovery and died soon after. The plans are to have the bird mounted and put on display in the visitor's center at David Crockett State Park. The farmer on whose property the bird was found said that he had observed the bird on a regular basis for a number of years and had never seen another bird that looked like this bird. This condition is rare; this hawk was the first leucistic raptor I have seen in almost 30 years of rehab work.

Knox Martin, Mid-South Raptor Center, Memphis, Shelby County, Tennessee

THE 2015 TENNESSEE CHRISTMAS BIRD COUNT SUMMARY

Ron Hoff
282 Hackworth Lane
Clinton, Tennessee 37716

The 2015 Tennessee Christmas Bird Count (CBC) season was the 72nd consecutive compilation of CBC's in Tennessee and the 85th overall (no count was reported for 1943). Thirty-three counts reported data this season; 160 species were recorded. Weather across the state was mixed. Temperatures ranged from a chilly 19° F at Roan Mountain to a balmy 77° F at Bristol (highest temperature in count history).

Snowy Egret (previously count week only), Least Flycatcher, and Ash-throated Flycatcher are all new species for the Tennessee CBC compilation. This brings the all-time total of species found on Tennessee CBC's to 268 (plus four more count week only species). The Reelfoot count set a new state high total for a CBC this year with 123 species. Other count highlights include Black-bellied Whistling-Duck (3rd record), Pacific Loon (3rd record), Western Grebe (6th record), Osprey, Thayer's Gull (2nd record), Great Black-backed Gull (5th record), Common Ground-Dove (2nd record), and Yellow-throated Warbler (2nd record).

The following species were recorded in record or unusually high numbers: Greater White-fronted Goose, Gadwall, Bufflehead, Common Goldeneye, Ruddy Duck, Red-throated Loon, Pacific Loon, American White Pelican, Great Egret, Turkey Vulture, Bald Eagle, Red-shouldered Hawk, Killdeer, Bonaparte's Gull, Herring Gull, Lesser Black-backed Gull, Forster's Tern, Blue-headed Vireo, Blue-gray Gnatcatcher, Orange-crowned Warbler, and Vesper Sparrow. The following species were recorded in record or unusually low numbers: American Black Duck, Sandhill Crane, and House Sparrow.

COUNT SUMMARIES

cw = count week species (three days before and days after actual count date, but not on count day)
F/Y = feeder/yard watcher

BIG SANDY (no coordinates) - 20 December; 0015-1730. Weather: cloudy; wind S 5-15 mph; 30-55° F. The totals for Pacific Loon and Herring Gull are new high counts. Observers: Joseph Hall, Bill Pulliam (compiler), Cyndi Routledge, Steve Routledge, Chris Sloan, Ruben Stoll, Victor Stoll, Alan Troyer, Chloe Walker, and Nolan Walker.

BRISTOL (36.583°, -82.1°) – 27 December; 0715-1730. Weather: clear to partly cloudy; wind SW 0-15 mph; 53-77° F. Eared Grebe and Gray Catbird are notable. Observers: Rob Biller, Richard Blanton, Ron Carrico, Ruth Clark, Wallace Coffey, Angela Cross, Rack Cross, Kevin Hamed, Ron Harrington, Heather Jones, Rick Knight, Roy Knispel, Richard Lewis (compiler), Phillip Lewis, Larry McDaniel, Zac Poulton, Chris O'Bryan, and Michelle Sparks.

BUFFALO RIVER (35.3°, -87.467°) – 17 December; 0600-1730. Weather: clear and cloudy; wind W 5-10 mph; 30-42° F. Observers: Jud Johnston, Rachel Lee, Frances Markine, Gary Markine, Roy McKey, Royce Neidert, Bethany Paluso, Keith Paluso, Jack Paul, Donette Sellars, Damien Simbeck (co-compiler), Don Simbeck (co-compiler), and Jane Worn.

CADE'S COVE (35.6°, -83.833°) – 27 December; 0730-1615. Weather: cloudy to overcast and unusually warm; wind WSW 4-23 mph; 58-75° F. White-crowned Sparrow is a new species for this count. Observers: Jean Alexander, Mark Armstrong, Kat Barrow, Rick Barrow, Warren Bielenberg, Tommy Bird, Wanda DeWaard, Daniel Geleynse, Julianne Geleynse, Paul Hartigan, Joy Hopkins, Susan Hoyle (compiler), Jim Human, David Johnson, Kristine Johnson, Martina Junod, Jane Kading, Tony King, Julie Labhart, Ron Oliver, Logan Rosenberg, Millie Rosenberg, Martha Rudolph, Amber Watson, and June Welch.

CHATTANOOGA (35.1°, -85.233°) – 19 December; 0530-1800. Weather: clear; 25-54° F. Virginia Rail and Blue-gray Gnatcatcher are notable. Observers: David Aborn, Tim Baker, Jeff Basham, Nelson Bennett, Harold Birch, Gary Brunvoll, Kevin Calhoon (compiler), John Dever, John Diener, Danny Gaddy, Lizzie Goodrich, Bill Haley, Jonnie Sue Lyons, Barbara McMahan, Mike McMahan, Tommie Rogers, David Spicer, Scott Spicer, Carl Swafford, Chris Swafford, Cynthia Wilkerson, Jimmy Wilkerson, and Dan Williams.

CLARKSVILLE (36.5°, -87.383°) – 2 January; 0700-1630. Weather: clear; wind SE 5-13 mph; 26-48° F. Ash-throated Flycatcher is a new species for the Tennessee CBC. Sandhill Cranes were found on this count for the first time in its 45 year history. Observers: Suva Bastin, John Beasley, Alan Bottomlee, Kathy DeWein (F/Y), Kevin Fitch, Elaine Foust, Deborah Hamilton, Steve Hamilton, Gloria Milliken, Daniel Moss (compiler), Monica Robinson (F/Y), Victor Robinson (F/Y), Polly Rooker, Cyndi Routledge, Steve Routledge, Joe Schiller, Sally Schiller (F/Y), Paul Schwab, Rick Shipkowski, and Barbara Wilbur (F/Y).

COLUMBIA (35.6°, -87.167°) – 2 January; 0600-1900. Weather: cloudy; wind 1-4 mph; 24-48° F. Loggerhead Shrike is notable. Observers: Tommy Edwards (compiler) and William Jernigan.

COOKEVILLE (36.15°, -85.467°) – 14 December; 0410-1700. Weather: clear; wind 0-2.5; 36-65° F. Observers: Wally Brines, Daniel L. Combs, Ginger K. Ensor, Judy C. Fuson, Linda E. Henderson, Edmund K. LeGrand, Ronald J. McDonald, Mac McWhirter, Susan N. McWhirter, Susan E. Pirolo, Tom Roberts, Stephen J. Stedman (compiler), and Carol D. Williams.

CROSSVILLE (35.862°, -85.018°) – 22 December; 0500-1700. Weather: cloudy with fog in the morning; 54-62° F. A Gray Catbird is noteworthy. Observers: Bruce M. Anderson, Brad L. Beatty, Nan E. Beesley, Margery Buxbaum, Daniel L. Combs, Douglas A. Downs, Annell S. Fields, Edmund K. LeGrand (compiler), Joseph E. Mast, Ronald J. McDonald, Stephen J. Stedman, Carol D. Williams, and Reuben J. Yoder.

DeKALB COUNTY (36.02°, -85.83°) – 17 December; no times reported. Weather: cloudy with light rain in the morning, clearing in the afternoon; 36-65° F. Blue-gray Gnatcatcher and an Orange-crowned Warbler are notable. Observers: Douglas A. Downs, Judy C. Fuson (co-compiler), Joe Hall, Michael J. Hawkins, Nancy S. Layzer, Edmund K. LeGrand, Mac McWhirter, Susan McWhirter, John Noel, Stephen J. Stedman, Holly Taylor, Mark Taylor, Melinda Welton, and Carol D. Williams (co-compiler).

DUCK RIVER (35.533°, -86.9°) - 2 January; 0430-1715. Weather: clear; 24-45° F. Red-necked Grebe, Snowy Egret, Orange-crowned Warbler and Le Conte's Sparrow are new species. Barn Owl, Peregrine Falcon and Blue-gray Gnatcatcher are also of interest. Observers: Chris Agee, Jim Arnett, Adam Beachy, Evan Beachy, Jubal Beachy, Malon Beachy, Nathan Beachy, Ruthanna Beachy, Seth Beachy, Victor Beachy, Joanna Molner, Simeon Molner, Bill Pulliam, James Schrock, Leo Schrock, Joshua Stevenson, Ruben Stoll (compiler), Victor Stoll, Alan Troyer, and Leona Troyer.

ELIZABETHTON (36.333°, -82.123°) – 19 December; 0515-1615. Weather: clear; wind W 5-15 mph; 22-45° F. Highlights include Blue-winged Teal, Greater Scaup and American Pipit. Observers: Fred Alsop, Jerry Bevins, Dallas Brooks, Kevin Brooks, Gilbert Derouen, Glen Eller, Harry Lee Farthing, Dave Gardner, Carl Hacker, Joseph Hill, Karen Justice, Rick Knight (compiler), Roy Knispel, Vern Maddux, Joe McGuiness, Tom McNeil, Eric Middlemas, Kathy Noblet, Brookie Potter, Jean Potter, Peter Range, Chris Soto, Bryan Stevens, Kim Stroud, and Dianna Tucker.

FAYETTE (35.2°, -89.42°) – 18 December; 0645-1545. Weather: cloudy to partly cloudy; wind W 1-10 mph; 32-42° F. Bald Eagle and Lapland Longspur are new species. Barn Owl, Le Conte's Sparrow and Harris's Sparrow are also noteworthy. Observers: Andrea Blevins, Thomas Blevins, Judy Dorsey, Fields Falcone (co-compiler), Kate Gooch (co-compiler), Ron Harbin, Van Harris, Kay Lait, Gaynell Perry, Dick Preston, Agnes Stark, Allen Trently, Martha Waldron, and Dick Whittington.

FRANKLIN/COFFEE COUNTIES (35.302°, -86.057°) – 21 December; no times reported.. Weather: cloudy with light rain; wind 20-30 mph; 45-55° F. Observers: Gerald Adams, Joyce Adams, Jacob Bowers, Larry Bowers, Jim Harwell, Rachel Harwell, Janet Hill, Suzanne Hubers, John Lamb, Ruth Luckado, Cheryl Palmer, Harry Palmer, and Polly Rooker. Non-participating compiler: LouAnn Partington.

GREAT SMOKEY MOUNTAINS N. P. (35.717°, -83.483°) – 19 December; no times reported. Weather: partly cloudy; 27-40° F. Observers: Aiden Aldrich, Riley Aldrich, Mark Armstrong, Tiffany Beachy, Warren Bielenberg (compiler), Tommy Bird, Melissa Crisp, Dawn Dextraze, Alice Fisher, Sterling Fisher, Curtis Green, Shawn Hatmaker, Zachary Heckman, Chrissy Householder, Susan Hoyle, Kristine Johnson, Jane Kading, Lahdan Kamiri, Tony King, Andrea Kupfer, Herb Kupfer, Julie Labhart, Tristen LaBorde, Chris Meyers, Ron Oliver, Gary Ownby, Joni Renner, Logan Rosenberg, Miriam Siahatgar,

Naerguess Siahatgar, Jacob Starker, Andy Troutman, Debbie Troutman, Jeff Troutman, Kestrel Troutman, and Keith Watson.

HICKORY-PRIEST (36.2°, -86.667°) – 1 January; 0515-1800. Weather: cloudy to clear; 31-43° F. Red-throated Loon and Pacific Loon (cw) are noteworthy. Observers: Kristy Baker, Richard Connors (compiler), Jackie Corbin, Tammy Devine, Jerry Drewry, Stephen Felts (F/Y), Susan Felts (F/Y), Richard Fox, Tarcila Fox, Mark Hackney, Joe Hall, Ken Oeser, Cyndi Routledge, Steve Routledge, Sarah Scott, Jan Shaw, Chris Sloan, Mike Smith, Joe Stone, and Melinda Welton.

HIWASSEE (35.367°, -84.9°) – 2 January; 0600-1800. Weather: clear; 5-48° F. Golden Eagle is noteworthy. Observers: David Aborn, Nelson Bennett, Harold Birch, Gary Brunvoll, Kevin Calhoon (compiler), Lizzie Denier, John Dever, John Diener, Danny Gaddy, William Haley, Jennifer Houlk, Rick Houlk, Tommie Rogers, Susan Schott, Cynthia Wilkerson, Jimmy Wilkerson, and Libby Wolfe.

JACKSON (35.617°, -88.817°) – 2 January; 0530-1745. Weather: clear; wind SW 4-12 mph; 22-48° F. Bonaparte's Gull is a new species; 350 Brewer's Blackbirds are notable. Observers: Mark Carr, Ruth Carr, Phyllis Fawcett, Bob Ford, Eliza Ford, Martha Lyle Ford, Mattie Ford, Mark Greene (compiler), Rick Light, Beth Peterson, Sara Silverstein, Allen Trently, and Donna Ward.

KINGSPORT (36.5°, -82.5137°) - 26 December; 0630-1700. Weather: partly cloudy with a light rain in the morning; 25-47° F. The Kingsport chapter is our newest TOS chapter, formed in 2015. Merlin, Loggerhead Shrike, and Common Yellowthroat are notable. Observers: Betty Bailey, Gary Bailey, Don Baker, Rob Biller, Ron Carrico, Angela Cross, Rack Cross, Glen Eller, William Grigsby (compiler), Rick Knight, Ava Kurapka, David Kurapka, Mert Kurapka, Priscilla Little, Tom McNeil, John Moyle, Rick Phillips, Peter Range, Michele Sparks, and Nancy Tate.

KNOXVILLE (35.917°, -84.083°) – 2 January; 0630-1830. Weather: clear but some light fog; wind W 0-10 mph; 25-47° F. Five species of warblers is a new high tally. High totals were recorded for Red-shouldered Hawk, America Woodcock, Bonaparte's Gull, Brown-headed Nuthatch, and Orange-crowned Warbler. Observers: Jean Alexander, Mark Armstrong, Stephen Lyn Bales, Frank Bills, Warren Bielenberg, Dianne "Deedee" Blane, Sharon Bostick, Bryan Chakoumakos, Gail Clendenen, Steve Clendenen, K. Dean Edwards (compiler), Rachel Elliot, Chuck Estes, Lola Estes, Jim Evans, Patty Ford, Carole Gobert, Cheryl Greenacre, Paul Hartigan, Gary Hartman, Ron Hoff, Tom Howe, David Howell, Susan Hoyle, James Human, David Johnson, Holly Jones, Jane Kading, Tony King, Jerry Ledbetter, Morton Massey, Dollyann Myers, Denise Nauman, Charles P. Nicholson, Karen Petrey, Joseph Pyle, Kellie Pyle, Claudia Rawn, Jo Roy, Kelly Roy, Martha Rudolph, Jean Ryan-Fry, Mike Ryon, Elizabeth Schilling, Colin Sumrall, Jimmy Tucker, Merikay Waldvogel, Eddy Whitson, and Corwin Witt.

MEMPHIS (35.15°, -89.933°) – 20 December; 0630-1700. Weather: partly cloudy; wind S 3-22 mph; 36-56° F. New high counts were set for Greater White-fronted Goose, Eastern Phoebe, Blue-headed Vireo, and Chipping Sparrow. Observers: David Blaylock, Chad Brown, Susan David, Judy Dorsey, Gregg Elliot, Jim Ferguson, Sue Ferguson, Rob Harbin, Van Harris, David Hill, Robert Ilardi, Margaret Jefferson (compiler), Keith Kunkel, Donna Ladd, Susan Maakestad, Alice Macey, Georges McNeil, George Payne, Gaynell Perry, Dick Preston, Ernest Restivo, Virginia Reynolds, Rosemary Southwell, Allen Sparks, Edwin Thomas, Allan Trently, Daniel Twedt, Jim Varner, Sue Varner, Nitya Vital, and Steven Wagner.

MURFREESBORO (35.846, -86.392) - 27 December; 0452-1605. Weather: cloudy to partly cloudy; wind 6-14 mph; 69-75° F. Barn Owl and American Pipit are notable. Observers: Kristy Baker, Ryan Buckner, Steve Buckner, Mary Beth Kappel, Stephen J. Stedman, Greg Tomerlin, Dimples Zipperer, Jack Zipperer, and Steve Zipperer (compiler).

NASHVILLE (36.05°, -86.933°) – 19 December; 0545-1730. Weather: clear; wind 5 mph; 27-52° F. Lincoln's Sparrow is notable. Observers: Susan Alsup, Kim Bailey, Kristy Baker, Sandy Bivens, Susan Bradfield, Trae Bradfield, Jean Buchanan, Ed Byrne, Margaret Cameron, Phillip Casteel, Richard Connors, Carless Dance, Michael Doss, Bob English, Pandy English, Francis Fekel, Bill Fissell, Tarcila Fox, John Froeschauer, Ed Gleaves, David Hanni, Mary Healy, Ashley Heeney, Susan Hollyday, Kristin Hopkins, John Kell, Oliver McIntyre, John Noel, Amy Potter, Polly Rooker, Cyndi Routledge, Steve Routledge, Ed Schneider, Sarah Scott, Jan Shaw (co-compiler), Kathy Shaw, Sheila Shay, Danny Shelton, Margaret Smith, Rita Venable, LinnAnn Welch, Melinda Welton, and Mary Zimmerman. Non-participating co-compiler: Scott Block.

NICKAJACK LAKE (35.067°, -85.517°) – 26 December; 0515-1630. Weather: partly cloudy; light rain in the afternoon; 61-72° F. Great Egret is a new species. Loggerhead Shrike and Vesper Sparrow are notable.. Observers: Nelson Bennett, Harold Birch, Bruce Dralle, Traci Dralle, Danny Gaddy, William Haley, Tommie Rogers, Jeffrey Schaarschmidt, David Spicer (compiler), Jonathan Spicer, Scott Spice, Cynthia Wilkerson, Jimmy Wilkerson, and Libby Wolfe.

NORRIS (36.217°, -84.083°) - 20 December: no times reported. Weather: partly cloudy; 27-49° F. Observers: Chuck Estes, Susan Hoyle, Tony King, Dennis Lovell, Charles Nicholson (compiler), Frances Oates, Martha Rudolph, and Dan Thomas.

PERRY COUNTY (35.708°, -87.775°) - 26 December; 0445-1700. Weather: mostly cloudy, with some light rain; 57-74° F. Surf Scoter, Sedge Wrens and Vesper, Le Conte's and Lincoln's sparrows are notable. Observers: Adam Beachy, Chad Beachy, Evan Beachy, Rose Beachy, Seth Beachy, Daniel Kinsinger, James Shrock, Leo Shrock, Ruth Shrock, Ruben Stoll (compiler), Victor Stoll, Alan Troyer, and Leona Troyer.

REELFOOT LAKE (36.417°, -89.383°) – 19 December; 0445-1830. Weather: clear; wind W 0-15 mph; 27-52° F. Red-throated Loon, Common Ground-Dove (2nd state CBC record) and Least Flycatcher are all new species. Observers: Chris Agee, William G. Criswell, Jerry Drewry, Bob Foehring, Mark Greene (compiler), Eddie Huber, Brainard Palmer-Ball, Rick Shipkowski, Chris Sloan, Ruben Stoll, Victor Stoll, Joe Stone, Mike Todd, Allan Trently, Chloe Walker, Nolan Walker, and Donna Ward.

ROAN MOUNTAIN (36.106°, -82.111°) – 20 December; 0600-1645. Weather: clear to mostly cloudy, with 1" snow above 5000'; wind 0-15 mph; 19-53° F. Ruffed Grouse, Peregrine Falcon and Gray Catbird are notable. Observers: Fred Alsop, Dallas Brooks, Kevin Brooks, Josef Hill, Kirk Huffstater, Karen Justice, Christy Kendall, Rick Knight (compiler), and Roy Knispel.

SAVANNAH (35.133°, -88.15°) – 4 January; 0420-1820. Weather: mostly cloudy; wind 10-15 mph; 28-34° F. Lesser Black-backed and Great Black-backed Gulls, Merlin (new state high for a single count) and Blue-headed Vireo are notable. Observers: Jeff Garner, Marcus Johnson, Jud Johnson, Frances Markine, Gary Markine, Warren Massey, Bill Pulliam, Floyd Sherrod, Damien Simbeck (compiler), Don Simbeck, Ruben Stoll, Victor Stoll, Shirley Wayland, and Melody Wilson.

SHADY VALLEY/MOUNTAIN CITY (36.5°, -81.85°) – 2 January; 0600-1600. Weather: partly cloudy to clear; 23-44° F. Observers: Jim Anderson, Robert Biller (co-compiler), Ronald Carrico, Rack Cross, Rick Knight, Roy Knispel, Richard Lewis, Cathy McNeil, and Thomas McNeil (co-compiler).

WARREN COUNTY (35.667°, -85.767°) – 2 January; no times reported. Weather: clear; 21-52° F. A Golden Eagle is noteworthy. Observers: Doug Bruce, Melinda Fawver, Judy C. Fuson, Gregg Garrison (compiler) Nancy S. Layzer, Mac McWhirter, Susan N. McWhirter, Stephen J. Stedman, and Carole Williams.

WHITE COUNTY (35.908°, -85.598°) – 19 December; 0530-1645. Weather: clear; wind 0-5 mph; 19-47° F. Two Virginia Rails is notable. Observers: David Chaffin, Douglas A. Downs (compiler), Judy C. Fuson, Nancy S. Layzer, Edmund K. LeGrand, Joseph Mast, Carol D. Williams, and Reuben Yoder.

WILSON COUNTY (36.1944, -86.3892) - 2 January; 0730-1600. Weather: clear; wind W 2-9 mph; 23-43° F. This is the first year for this count. Orange-crowned Warbler is notable. Observers: Kristy Baker, Kay Brinkhurst (F/Y), Ralph Brinkhurst (F/Y), Mary Beth Kappel, Darryl Matthews, Laura McCall, Ken Oeser, Greg Tomerlin, JosEllen Turrentine, Melissa Turrentine, Roy Turrentine, Jack Zipperer, and Stephen Zipperer.

2015 TENNESEE CBC

Count Names	Mem	Fay	Reel	Jcksn	Svnah	BgSndy	DckRvr	Perry	BuffRv	Clarkvl	Colmb	Nash	Hck-Prst	Mfrsboro	Wilson	F
Species																
Black-bellied Whistling-Duck	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Greater White-fronted Goose	120	-	8946	-	-	271	1493	-	1	-	-	-	-	-	-	
Snow Goose	256	-	42691	-	4	1	4	-	3	-	-	-	-	-	-	
Ross's Goose	-	-	34	-	-	7	3	-	2	1	-	-	-	-	-	
Cackling Goose	-	-	-	-	-	-	146	-	-	-	-	-	-	-	-	
Canada Goose	334	20	139	70	129	148	2397	17	60	164	41	222	315	115	55	
Mute Swan	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wood Duck	5	4	4	8	22	12	19	8	-	10	-	-	8	-	-	
Gadwall	228	-	2090	4	4	21911	7550	33	-	2	33	22	204	30	8	
American Wigeon	-	-	224	2	-	1085	773	15	-	-	-	-	19	3	-	
American Black Duck	-	-	4	-	-	61	4	2	-	1	-	2	-	-	-	
Mallard	187	4	8480	82	81	19700	28785	1048	4	28	56	107	256	140	19	
Blue-winged Teal	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
Northern Shoveler	218	-	301	4	5	66	442	4	-	-	-	-	-	4	-	
Northern Pintail	8	-	56	6	13	173	3395	250	-	-	-	1	-	-	-	
Green-winged Teal	14	-	116	2	4	453	497	4	-	-	-	2	20	-	-	
Canvasback	-	-	35	-	-	1596	715	1	-	-	6	-	-	-	-	
Redhead	-	-	43	-	-	137	12	-	-	2	-	-	-	-	-	
Ring-necked Duck	72	-	38	-	3	869	806	10	-	1	45	71	42	-	2	
Greater Scaup	2	-	2	-	3	94	20	-	-	-	-	-	-	-	-	
Lesser Scaup	346	-	7820	-	11	1527	525	28	-	-	1	-	5	-	-	
Scaup sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Surf Scoter	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Bufflehead	5	-	520	-	75	572	1045	-	1	-	5	13	115	1	-	
Common Goldeneye	-	-	4	-	51	648	20	-	-	3	-	-	6	-	-	
Hooded Merganser	67	1	65	2	4	97	25	14	1	-	7	-	31	-	10	
Red-breasted Merganser	-	-	14	-	-	62	3	16	-	-	-	-	2	-	-	
Ruddy Duck	22	-	9375	-	-	866	615	-	-	-	16	-	12	-	1	
Duck sp.	-	-	-	-	10	-	-	-	-	40	-	-	-	-	-	
Northern Bobwhite	-	12	4	-	-	16	-	2	2	-	-	-	-	-	6	
Ruffed Grouse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wild Turkey	-	-	71	-	127	27	144	192	56	441	83	91	17	-	-	
Red-throated Loon	-	-	1	-	-	2	-	-	-	-	-	-	1	-	-	
Pacific Loon	-	-	-	-	-	7	-	-	-	-	-	-	cw	-	-	
Common Loon	-	-	cw	-	22	192	-	-	-	-	3	-	212	-	-	
Pied-billed Grebe	22	3	30	3	95	183	36	1	28	5	1	1	68	-	18	

Fnk/Cof	DeKalb	Warrn	White	Nick	Cook	Chatt	Crssvlle	Hiwase	Knox	Norris	CadsCv	GSMNP	Kngsprt	Eliz	RoanMt	Bristol	ShdyVal	TOTALS
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10831
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42959
-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	47
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	146
3	105	262	343	107	565	427	368	241	1167	263	2	14	299	511	-	612	264	9779
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2
5	1	11	11	-	12	4	1	-	3	-	-	-	-	-	-	-	-	148
-	21	6	96	5	39	75	54	37	109	2	-	-	19	-	-	31	-	32613
-	-	-	-	-	-	-	7	1	-	-	-	-	-	-	-	3	-	2132
5	-	2	2	-	-	2	-	2	-	-	-	-	-	-	-	-	-	87
120	97	34	104	8	124	282	217	86	186	15	9	53	196	129	-	256	71	60964
-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	7
-	-	-	31	-	1	40	28	-	8	-	-	-	-	12	-	-	-	1164
-	1	-	-	-	1	2	1	-	-	-	-	-	1	-	-	-	-	3908
-	17	-	52	17	1	16	1	-	2	-	-	-	-	-	-	-	-	1218
-	-	-	-	-	-	-	24	20	-	-	-	-	-	-	-	-	-	2397
-	-	-	3	-	7	2	35	6	10	-	-	-	-	-	-	-	-	257
-	5	30	153	1	35	35	517	9	30	27	-	-	1	-	-	58	1	2861
-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	-	125
-	-	-	-	89	-	-	10	-	-	-	-	-	-	1	-	-	-	10363
-	-	-	-	-	-	231	-	-	-	-	-	-	-	-	-	-	-	231
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
100	28	-	8	-	18	142	521	1	12	16	18	-	12	172	2	118	7	3527
-	-	cw	-	-	-	6	1	-	-	-	-	-	-	-	-	-	-	739
17	20	5	89	20	35	43	209	115	63	-	-	-	2	10	-	41	2	995
-	6	-	-	-	-	12	1	-	-	-	-	-	-	cw	-	-	-	116
30	-	-	-	3	9	-	205	7	1	-	-	-	-	-	-	-	-	11162
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
-	-	9	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	59
-	-	-	-	-	-	-	-	-	-	-	-	cw	-	-	1	-	-	1
1	24	53	45	32	121	3	44	68	2	-	63	117	59	30	1	58	28	1998
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
8	68	-	-	6	-	59	10	-	-	4	-	1	-	cw	-	4	-	589
27	31	5-	10	269	15	601	75	47	39	20	6	-	11	15	1	43	2	1706

Count Names	Mem	Fay	Reel	Jcksn	Svnah	BgSndy	DckRvr	Perry	BuffRv	Clarkvl	Colmb	Nash	Hck-Prst	Mfrsboro	Wilson	F
Horned Grebe	-	-	36	-	60	233	30	-	-	-	-	-	162	-	-	
Red-necked Grebe	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Eared Grebe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Western Grebe	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Double-crested Cormorant	1	-	739	-	22	8	1588	2	-	-	-	-	1	-	1	
American White Pelican	-	-	180	-	-	637	522	cw	-	-	-	-	4	-	-	
Great Blue Heron	27	6	27	6	25	63	71	30	8	15	8	10	40	-	22	
Great Egret	2	-	1	-	-	-	135	-	-	-	-	-	-	-	-	
Snowy Egret	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Black-crowned Night-Heron	-	-	-	-	-	-	6	-	-	-	-	-	8	-	-	
Black Vulture	4	87	64	208	25	25	49	110	96	202	106	296	106	257	101	
Turkey Vulture	15	242	112	136	109	101	119	273	204	124	2	107	28	8	16	
Osprey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Eagle	-	-	1	-	-	cw	1	-	-	-	-	-	-	-	-	
Northern Harrier	6	3	46	2	8	3	28	5	6	3	-	1	-	-	2	
Sharp-shinned Hawk	5	1	2	1	3	2	2	cw	1	1	-	2	2	-	3	
Cooper's Hawk	5	2	6	3	6	6	7	2	3	-	-	5	2	4	3	
Accipiter sp.	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
Bald Eagle	2	1	79	-	18	49	45	11	4	6	1	6	5	-	1	
Red-shouldered Hawk	22	9	15	18	14	11	24	15	14	14	-	5	4	2	8	
Red-tailed Hawk	58	29	85	25	23	26	57	22	35	19	5	45	14	15	11	
Hawk Sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Virginia Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
American Coot	7	-	100-	3	43	247	693	-	-	cw	14	-	371	2	12	
Sandhill Crane	-	-	-	-	-	5	1	-	-	34	-	-	-	-	cw	
Killdeer	286	58	2709	9	184	151	62	43	62	9	8	34	25	75	3	
Lesser Yellowlegs	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Least Sandpiper	213	-	cw	-	-	-	-	-	-	-	-	-	-	-	-	
Wilson's Snipe	-	-	150	2	2	7	21	2	38	-	10	-	-	-	30	
American Woodcock	-	-	-	4	9	2	3	1	-	-	-	5	5	5	1	
Bonaparte's Gull	-	-	1918	1	1817	476	326	107	-	10	-	-	153	50	4	
Ring-billed Gull	307	-	7108	-	4889	3135	1870	87	-	42	-	-	2327	665	11	
Herring Gull	-	-	7	-	23	850	32	-	-	-	-	-	4	1	-	
Thayer's Gull	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Lesser Black-backed Gull	-	-	-	-	1	12	-	-	-	-	-	-	-	-	-	
Great Black-backed Gull	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	

Fnk/Cof	DeKalb	Warrn	White	Nick	Cook	Chatt	Crssvlle	Hiwase	Knox	Norris	CadsCv	GSMNP	Kngsprt	Eliz	RoanMt	Bristol	ShdyVal	TOTALS
-	284	-	-	11	cw	365	1	3	1	16	-	-	-	10	-	4	-	1216
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
140	-	1	-	281	2	14	-	176	42	1	-	-	23	cw	-	1	-	3043
-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	1368
14	12	11	13	54	14	35	2	43	105	16	1	4	35	13	1	18	2	751
-	-	-	-	1	-	1	-	15	3	-	-	-	-	-	-	-	-	158
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	10	-	-	-	3	-	-	-	-	27
226	202	94	41	110	43	93	1	149	56	169	3	10	147	16	-	266	18	3380
96	319	198	127	97	197	76	56	257	9	38	5	28	102	26	1	109	53	3390
-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4
-	cw	-	1	-	2	-	2	1	-	-	2	-	-	-	-	-	-	121
5	-	-	2	-	-	2	-	1	6	-	-	1	3	2	1	2	-	50
1	6	5	2	6	4	4	2	-	6	1	1	1	6	5	1	2	2	109
-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5
-	6	cw	cw	4	-	8	1	17	5	7	3	2	2	5	-	3	-	291
1	4	9	10	14	21	11	11	12	27	13	9	3	2	2	2	-	3	329
11	42	25	35	11	20	18	9	40	48	11	7	7	17	22	7	15	18	832
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4
55	3	-	1	2053	39	882	463	23	655	326	3	-	-	7	-	42	-	5944
22	8	30	146	14	2	306	43	2480	20	-	-	-	-	-	-	-	-	3111
35	462	126	83	30	75	39	139	139	125	4	1	7	12	5	-	26	23	5049
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	11
-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-	235
3	2	-	22	-	3	1	33	8	2	12	-	-	-	-	-	1	-	349
-	-	-	2	4	-	2	2	-	9	-	-	-	-	-	-	-	-	54
90	48	1	-	1	-	367	-	95	1581	138	-	-	-	-	-	43	-	7226
44	7	-	-	405	-	447	-	457	3054	26	-	-	39	65	-	654	-	25639
-	-	-	-	-	-	1	-	1	4	-	-	-	-	-	-	-	-	923
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Count Names	Mem	Fay	Reel	Jcksn	Svnah	BgSndy	DckRvr	Perry	BuffRv	Clarkvl	Colmb	Nash	Hck-Prst	Mfrsboro	Wilson	F
Forster's Tern	-	-	-	-	5	16	-	-	-	-	-	-	-	-	-	
Rock Pigeon	372	10	162	200	160	4	85	11	63	132	68	217	671	70	118	
Eurasian Collared-Dove	15	1	16	2	22	-	3	16	9	-	12	-	-	4	4	
Common Ground-Dove	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Mourning Dove	422	35	286	50	138	68	13	250	400	224	20	56	35	20	17	
Barn Owl	-	1	1	-	-	-	2	-	1	-	-	-	-	1	-	
Eastern Screech-Owl	-	-	3	-	5	2	3	1	2	-	-	2	-	2	1	
Great Horned Owl	1	-	9	3	3	11	9	1	3	-	-	2	2	2	1	
Barred Owl	1	-	7	7	3	15	15	5	3	4	-	1	3	-	-	
Short-eared Owl		-	4	-	-	-	-	-	-	-	-	-	-	-	-	
Nighthawk sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Belted Kingfisher	6	2	9	9	11	9	20	13	14	8	4	13	11	2	2	
Red-headed Woodpecker	18	23	10	7	18	27	10	9	57	3	-	1	1	2	-	
Red-bellied Woodpecker	111	83	73	52	113	73	87	32	94	85	11	70	27	3	21	
Yellow-bellied Sapsucker	14	16	15	5	20	7	16	10	12	13	9	20	6	1	1	
Downy Woodpecker	63	21	37	18	35	66	63	27	29	40	2	57	29	6	8	
Hairy Woodpecker	3	3	12	2	9	12	12	10	16	10	-	13	9	1	1	
Northern Flicker	52	32	97	27	84	37	87	44	21	43	-	28	11	2	6	
Pileated Woodpecker	16	13	22	13	16	33	40	21	10	6	2	16	8	-	2	
American Kestrel	23	3	43	16	12	9	23	5	60	10	10	12	7	13	19	
Merlin	-	-	1	-	4	-	2	-	1	-	-	-	1	-	-	
Peregrine Falcon	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	
Least Flycatcher	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Eastern Phoebe	12	13	28	5	11	14	24	17	20	8	1	7	5	1	2	
Ash-throated Flycatcher	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Loggerhead Shrike	1	-	12	-	-	-	-	-	20	-	1	-	-	-	-	
Blue-headed Vireo	7	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
Blue Jay	168	322	155	234	467	210	246	166	203	154	10	256	82	16	86	
American Crow	127	270	1389	85	1474	151	631	328	329	222	43	239	127	201	142	
Fish Crow	7	-	1	1	1	-	-	-	-	-	-	-	-	-	-	
Common Raven	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Horned Lark	20	1	543	6	1	12	4	1	4	-	-	-	-	-	-	
Carolina Chickadee	80	26	96	44	123	148	165	54	73	144	11	226	107	13	37	
Black-capped Chickadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
Tufted Titmouse	76	92	82	57	165	172	116	66	190	103	7	181	68	7	-	

Fnk/Cof	DeKalb	Warrn	White	Nick	Cook	Chatt	Crssvlle	Hiwase	Knox	Norris	CadsCv	GSMNP	Kngsprt	Eliz	RoanMt	Bristol	ShdyVal	TOTALS
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
71	20	94	290	76	408	828	15	63	426	64	21	41	241	349	23	195	32	5600
-	15	-	18	13	4	9	12	3	-	-	-	-	-	7	-	-	-	185
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
178	228	164	230	64	450	154	255	103	478	47	51	23	242	114	13	153	79	5060
-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	8
6	2	5	1	2	1	4	2	4	8	3	-	1	3	7	1	3	3	77
-	1	1	3	3	2	2	-	2	4	1	-	1	2	4	-	3	1	77
1	1	3	-	1	3	-	2	-	2	-	-	cw	-	1	1	-	-	79
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4	9	5	8	21	10	19	7	15	40	6	4	3	11	13	3	16	7	334
2	2	1	1	2	4	9	-	-	2	2	-	-	1	-	-	2	-	214
10	53	30	26	29	35	67	24	18	116	34	15	8	40	27	1	18	8	1494
-	10	7	7	11	7	22	7	9	32	15	5	10	7	7	1	4	4	330
10	33	15	14	27	29	52	27	16	113	14	24	31	31	23	7	28	14	1009
-	5	2	2	2	5	2	13	-	11	6	6	8	1	3	2	4	1	186
5	22	30	29	52	31	33	36	18	52	5	8	5	22	11	-	28	9	967
-	26	12	4	14	22	9	11	3	12	13	29	28	28	10	4	18	5	466
22	17	57	39	9	26	2	16	5	8	2	1	3	8	18	1	12	7	518
-	-	-	-	-	-	-	-	-	1	-	-	-	1	cw	-	-	-	11
-	-	-	-	-	-	-	-	-	-	-	-	cw	-	-	1	-	-	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1	13	10	11	14	16	21	17	11	24	8	13	7	5	7	-	6	1	353
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4	2	-	3	1	1	-	-	-	-	-	-	-	1	-	-	-	-	46
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
117	94	161	77	206	164	133	28	107	389	92	3	28	187	76	13	138	27	4815
497	133	276	697	283	458	317	307	345	575	309	162	74	368	987	93	857	1630	14126
-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	14
-	-	-	-	-	-	-	-	-	-	-	-	4	-	6	15	-	11	36
-	10	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	605
22	100	33	37	115	107	179	144	59	385	63	176	88	101	111	20	137	75	3299
-	-	-	-	-	-	-	-	-	-	-	-	cw	-	-	-	-	-	28
9	111	72	56	141	96	166	91	64	287	78	126	50	68	110	13	97	47	3064

Count Names	Mem	Fay	Reel	Jcksn	Svnah	BgSndy	DckRvr	Perry	BuffRv	Clarkvl	Colmb	Nash	Hck-Prst	Mfrsboro	Wilson	F
Red-breasted Nuthatch	-	-	-	-	-	-	-	-	4	-	-	-	-	-	9	
White-breasted Nuthatch	3	8	17	10	29	44	27	3	60	33	6	68	2	3	-	
Brown-headed Nuthatch	-	-	-	-	9	-	-	-	1	-	-	-	-	-	-	
Brown Creeper	7	2	10	1	6	10	4	1	6	5	2	5	2	-	-	
House Wren	1	-	3	1	1	1	1	-	1	-	-	1	1	-	-	
Winter Wren	4	6	26	8	16	27	18	15	9	3	-	4	4	3	1	
Sedge Wren	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	
Marsh Wren	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Carolina Wren	125	31	67	80	104	72	101	71	67	57	14	91	40	5	13	
Blue-gray Gnatcatcher	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	
Golden-crowned Kinglet	23	25	58	24	49	28	49	23	40	6	1	28	21	1	-	
Ruby-crowned Kinglet	48	13	44	6	56	24	25	8	19	2	1	22	17	-	1	
Eastern Bluebird	75	96	48	95	188	87	167	127	336	92	9	93	47	12	42	
Hermit Thrush	11	23	30	8	47	16	14	6	28	3	-	21	12	1	1	
American Robin	2147	169	231	496	963	197	185	562	462	241	47	594	902	150	1200	
Gray Catbird	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Brown Thrasher	20	7	18	11	16	18	26	14	5	1	-	6	15	-	1	
Northern Mockingbird	81	38	41	50	40	47	37	34	99	68	7	86	63	17	30	
European Starling	4850	131	2419	1682	2061	329	1163	45	1813	1239	375	570	578	175	5900	
American Pipit	45	-	113	-	1	4	37	2	88	-	-	-	-	1	-	
Cedar Waxwing	127	113	4	15	418	34	86	47	119	84	5	17	1	-	6	
Lapland Longspur	-	45	440	-	48	-	-	cw	-	-	-	-	-	-	-	
Orange-crowned Warbler	3	-	10	1	3	1	1	-	-	-	-	-	2	-	1	
Common Yellowthroat	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Palm Warbler	-	-	2	-	2	-	5	-	-	cw	-	-	-	1	-	
Pine Warbler	8	6	1	3	23	6	2	-	-	1	-	-	-	-	-	
Yellow-rumped Warbler	160	21	164	48	105	62	61	33	4	89	9	37	21	3	8	
Yellow-throated Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Le Conte's Sparrow	1	1	3	-	-	-	4	1	-	-	-	-	-	-	-	
American Tree Sparrow	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
Chipping Sparrow	86	110	5	43	205	18	9	5	89	31	3	11	14	2	1	
Field Sparrow	53	51	17	37	159	51	60	92	196	63	1	139	79	11	19	
Fox Sparrow	15	12	37	20	29	3	11	7	1	2	-	7	11	-	1	
Dark-eyed Junco	451	380	160	340	1556	264	230	124	350	190	7	110	70	9	18	
White-crowned Sparrow	34	22	80	6	20	39	9	7	36	8	8	5	10	6	4	
Harris's Sparrow	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
White-throated Sparrow	717	468	192	314	575	274	490	596	391	181	3	258	151	17	17	

Fnk/Cof	DeKalb	Warrn	White	Nick	Cook	Chatt	Crssvlle	Hiwase	Knox	Norris	CadsCv	GSMNP	Kngsprt	Eliz	RoanMt	Bristol	ShdyVal	TOTALS
-	-	-	-	-	-	-	-	-	2	-	2	-	-	1	24	1	1	44
4	49	17	26	31	46	34	57	12	60	39	62	23	20	31	11	31	19	885
-	-	-	-	1	6	14	-	7	30	-	-	-	-	-	-	-	-	68
-	1	3	1	3	3	2	3	1	3	2	6	1	3	2	2	3	-	100
-	1	-	4	1	2	-	-	1	-	-	-	-	1	-	-	-	1	22
-	10	-	3	7	5	1	10	1	2	1	3	9	2	3	6	4	-	211
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
9	79	42	30	105	78	115	91	67	214	-	45	31	115	60	8	111	29	2167
-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5
-	25	11	21	36	28	31	27	36	35	4	37	14	15	32	16	27	8	779
-	18	5	32	34	12	43	17	41	69	13	3	cw	15	2	-	7	1	598
31	49	123	58	156	108	140	78	132	274	149	83	28	146	114	5	84	85	3357
-	34	6	12	18	5	24	18	18	31	14	3	4	4	5	-	5	4	426
100	1256	654	680	990	333	504	227	813	1612	264	59	30	918	450	19	520	191	18166
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	4
1	5	5	4	10	7	15	2	4	13	4	1	-	2	-	-	-	-	231
19	38	78	39	44	60	84	25	65	174	30	4	11	76	27	2	80	13	1607
1257	2704	2476	1908	452	461	2434	924	342	1028	821	89	54	1057	1707	57	8982	415	50498
63	80	190	61	5	15	-	-	63	18	-	-	-	2	40	-	-	-	828
76	47	38	16	201	120	189	14	199	396	108	178	cw	155	116	22	75	94	3120
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	533
-	1	-	-	-	-	1	-	2	2	-	-	-	-	-	-	-	-	28
-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
-	-	3	20	-	1	8	-	6	17	1	-	-	-	3	-	1	-	70
-	-	-	-	7	-	16	-	2	6	1	-	-	cw	-	-	1	-	83
2	96	64	102	68	79	130	24	66	250	51	16	3	99	106	-	44	8	2033
-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
2	8	47	72	133	38	53	17	120	80	20	7	-	8	72	4	6	-	1319
66	29	160	71	142	76	38	74	68	160	9	17	5	38	31	1	19	53	2085
-	11	4	3	5	5	-	-	-	2	-	1	-	5	3	-	-	12	207
7	130	75	85	131	81	84	48	93	164	57	52	138	19	74	172	42	122	5833
-	8	16	16	1	6	-	2	3	8	-	1	-	16	-	-	15	40	426
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
17	307	105	106	177	105	141	66	162	322	55	18	57	161	78	6	81	30	6638

Count Names	Mem	Fay	Reel	Jcksn	Svnah	BgSndy	DckRvr	Perry	BuffRv	Clarkvl	Colmb	Nash	Hck-Prst	Mfrsboro	Wilson	F
Vesper Sparrow	18	-	-	2	12	-	21	1	15	2	-	-	-	-	-	
Savannah Sparrow	100	13	269	84	119	15	427	223	55	1	17	1	3	2	3	
Song Sparrow	167	86	198	87	104	97	547	417	109	116	6	112	31	17	11	
Lincoln's Sparrow	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	
Swamp Sparrow	47	27	389	77	39	92	610	301	40	15	2	18	14	4	2	
Eastern Towhee	66	43	11	72	91	75	63	22	64	47	1	63	25	3	14	
Sparrow sp.	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	
Northern Cardinal	289	189	233	236	474	172	417	231	333	313	38	384	169	12	55	
Red-winged Blackbird	102	132	5136	780	2616	148	22119	354	416	30	-	50	606	21	500	
Western Meadowlark	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Eastern Meadowlark	211	103	159	37	216	18	206	127	170	13	16	-	5	12	10	
Rusty Blackbird	144	1	194	150	75	3	709	6	138	-	-	-	20	5	15	
Brewer's Blackbird	-	4	1	350	-	-	-	-	2	-	-	-	-	-	-	
Common Grackle	45570	166	2264	2673	4041	19	14622	848	5163	3	2	1515	88	33	10	
Brown-headed Cowbird	58	-	5219	15	160	21	2414	29	324	-	-	15	4	58	15	
Blackbird sp.	-	-	-	-	-	-	-	-	400	44	-	-	-	-	-	
House Finch	16	18	38	3	42	60	25	25	20	50	5	60	25	7	20	
Purple Finch	-	-	4	1	6	25	6	2	14	1	-	2	4	-	-	
Red Crossbill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pine Siskin	6	16	2	-	1	3	1	1	2	-	-	-	-	-	-	
American Goldfinch	108	44	90	94	221	98	183	62	235	71	8	113	33	15	10	
House Sparrow	65	8	124	40	107	33	6	51	105	38	5	9	10	11	9	
Total individuals	60548	4078	116088	9444	25921	60466	102046	7972	14092	5530	1260	6982	8905	2361	8791	
Total Species	99	73	124	83	105	112	118	93	86	75	61	75	89	66	74	
Count Week species		-	2	-	-	-	-	3	-	2	-	-	1	-	1	
Observers	31	14	17	13	14	10	22	13	13	15	2	43	20	9	11	
Parties	11	5	6	6	8	5	7	5	6	6	2	11	5	3	3	
Party Hours	54.6	33.25	56	40.5	67.5	49.75	50	41	57.25	51.3	11	59.5	41.15	13.28	12.75	
Hours by car	13.9	15	32	27.5	49.25	24.75	21	8	45.5	25.05	8	25.75	15.4	8.53	8.5	
Hours by foot	40.7	18.25	24	13	18.25	25	24	30	11.75	26.25	3	33.75	25.75	4.75	4.25	
Hours by boat or other	-	-	-	-	-	-	5	3	-	-	-	-	-	-	-	
Miles by car	180.3	186	408	362	435.5	272	170	48	369.7	220.5	155	264	219.3	100.6	166.4	
Miles on foot	36.4	13.75	18	14	9.5	4	20	19	8	15.15	3	34.75	16	3	2	
Miles by boat or other	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	
Hours Owling	0.5	-	4.75	1	4.25	1	1.5	1.5	0.75	0.75	-	6	3.5	2.1	1.5	
Miles Owling	0.5	-	21	5	45.7	4	15	10	3.7	-	-	19	7.5	31.5	10	
Feeder / yard watchers	2	-	-	-	-	-	-	-	1	5	1	-	2	1	2	
Feeder / yard hours	2.5	-	-	-	-	-	-	-	5	17.75	0.5	-	2.75	1	6	

Fnk/Cof	DeKalb	Warrn	White	Nick	Cook	Chatt	Crssvlle	Hiwase	Knox	Norris	CadsCv	GSMNP	Kngsprt	Eliz	RoanMt	Bristol	ShdyVal	TOTALS
-	-	-	-	2	-	-	-	3	-	-	2	-	-	-	-	-	-	78
11	10	9	21	9	26	2	10	51	38	7	1	-	3	-	-	-	-	1530
3	192	78	128	128	144	92	110	145	345	33	51	69	162	104	43	99	105	4136
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
3	13	10	64	3	37	6	17	82	59	-	-	20	18	4	1	2	3	2019
2	40	26	10	48	37	69	16	34	154	20	-	5	52	12	2	24	13	1224
-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-	44
80	178	177	117	216	150	195	169	167	528	118	61	61	164	123	15	118	53	6235
60	521	3	277	2407	38	454	3	371	207	-	1	-	3	-	-	1	2	37358
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
7	78	82	117	43	69	-	120	107	43	35	11	1	5	4	-	4	12	2041
1	7	-	45	1011	-	86	-	-	60	-	-	-	-	-	-	-	-	2670
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	357
62	2717	3	101	879	861	779	-	67	12	-	1	-	1	-	-	-	-	82500
-	44	-	106	1	2	13	25	500	17	-	-	-	-	-	-	-	-	9040
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	444
10	52	13	12	12	54	62	22	26	214	25	15	-	43	51	2	34	21	1082
-	5	2	-	1	8	1	2	-	1	1	-	1	-	1	2	-	-	90
-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2
-	-	-	-	-	4	2	17	-	12	-	72	74	-	25	282	-	72	592
12	128	101	33	134	98	374	61	38	278	190	25	78	122	101	14	66	65	3303
23	5	13	39	15	32	43	24	9	28	13	-	2	30	41	55	25	7	1025
3946	11713	6532	7428	12408	6534	12967	6430	9385	17340	3972	1705	1403	5840	6379	1002	14643	3934	568045
66	87	73	84	88	87	95	86	90	98	67	62	56	75	73	52	74	60	160
-	1	2	1	-	1	-	-	-	-	-	-	6	1	4	-	-	-	25
13	14	9	8	14	13	23	13	17	49	9	23	36	20	24	9	18	9	568
5	-	4	4	6	7	9	5	6	25	-	9	15	8	6	2	6	4	210
17.5	54.75	34	34.75	48.75	59.25	69	47.75	47	126.99	31.1	57	83.25	52.5	47	17	52.5	33.5	1552.42
17	32.5	29.5	24.75	28	40.5	39	32.5	21	43.38	-	12	49.25	21.75	27	5.5	27	20.5	799.26
0.5	20.75	4.5	10	20.75	18.75	30	15.25	26	80.11	-	45	34	30.75	20	11.5	25.5	13	709.06
-	1.5	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	13
250	325.35	290.6	244	289	360	360	295	273	411.1	-	85	161.75	270	361	73	346.5	220.8	8173.4
0.25	14.2	4.35	10.5	11	12.25	27	8.75	15	61.49	-	36.2	40.5	24	10	9	15	9	525.04
-	2.75	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	18.75
3	2.42	1.75	1.5	1.75	4.7	7	3	2	5.13	-	-	0.5	0.5	4	1.5	3	-	70.85
5	31	14.25	14	5	34.75	12	12.25	27	19.8	-	-	5	7	19	4	28	-	410.95
-	-	-	-	-	-	-	-	-	-	-	2	5	-	1	-	-	-	22
-	-	-	-	-	-	-	-	-	6.6	-	0.5	2.5	-	1	-	-	-	46.1

BOOK REVIEW

The Genius of Birds - Jennifer Ackerman, 2016. Penguin Press, Westminster, London. 340 pages.

In her entertaining and thought-provoking book, Jennifer Ackerman presents and discusses ornithological research that has taken place over the last several decades. There has been a virtual explosion of new ornithological knowledge.

Because of their small brains, birds have been considered to have limited cognitive ability. "Bird brain", "silly goose", and "lame duck" are just a few examples of how this assumption has influenced our language. The truth is that since humans and birds shared an ancestor around 300 million years ago, both have been developing different neurological systems. Because humans have much bigger brains, scientists had long thought bigger brains were better. Birds have smaller brains, but their neurological systems are much more densely packed with neurons, enabling them to learn.

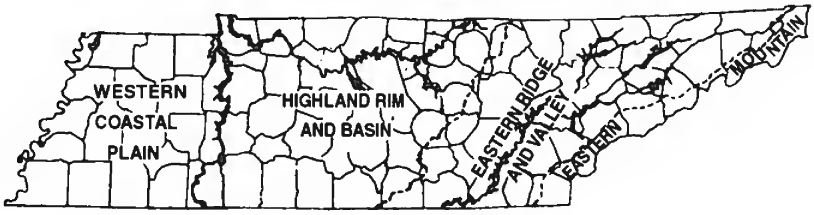
Modern research has discovered what many of us who have observed bird for years have known through casual observation: birds can demonstrate intelligent behavior, but perhaps not to the extent that some species discussed in this book can. Corvids and parrots are considered to be the Einsteins of the bird world. Before his death at the age of 31, an African grey parrot demonstrated astounding intellectual acuity. Not only could he comprehend words, but he could talk back using them in a way that made sense. Many have heard of and seen on TV the feats of New Caledonian crows who have mastered the art of toolmaking. New Caledonian crows have learned how to make hooks from a leaf that enable them to snare grubs from tree cavities. The only mammal that has developed this ability is man.

The book is divided into chapters which cover, in turn, technical ability, social behavior, vocalization, aesthetic ability, spacial and temporal cognizance, and the ability to adapt to new situations. One interesting fact is that bird and human babies learn how to vocalize the same way, even though they have been separated evolutionally for millions of years. The book targets the general reader. Scientific terms are clearly defined and there is an appendix containing notes if the reader wishes to delve further into any one of the cited experiments. One finishes the book in a state of awe concerning the genius of birds.

Virginia Reynolds, Memphis, Tennessee

THE FALL SEASON

Richard L. Knight, Editor



1 August - 30 November 2015

Weather conditions were warmer than normal statewide, especially in November, and somewhat wetter than normal in most regions. Perhaps as a consequence of the mild temperatures, waterfowl numbers seemed low, although good numbers were appropriately tallied at Duck River Unit. Two Mottled Ducks in Dyer County were quite rare. Notable were a Tundra Swan and Black Scoter in East Tennessee. Two sightings of Common Mergansers from the Big South Fork were highly suggestive of breeding. Eared Grebe occurred for the 22nd consecutive autumn at South Holston Lake. A Neotropic Cormorant in West Tennessee continued an increasing trend for this rare visitor.

The shorebird flight was impressive, particularly in West and Middle Tennessee, with 34 species found across the state. Shorebird highlights included Red Knot, Ruff, Hudsonian and Marbled Godwits, and Red-necked Phalarope. Gulls, too, were well represented with nine species including Black-legged Kittiwake, Little Gull, and Thayer's Gull. A Least Tern in East Tennessee was a rare find.

Of particular note among passerines were a Say's Phoebe and a Cave Swallow in West Tennessee. The rare recessive hybrid Lawrence's Warbler was reported from two regions. Notable sparrows included American Tree and Clay-colored from two regions each, along with a Nelson's from Middle Tennessee. Boreal irruptives were scarce overall, with only a few scattered sightings of Purple Finches and Pine Siskins, while Red-breasted Nuthatches were virtually nonexistent away from breeding sites in the higher mountains.

The totals for two East Tennessee hawkwatches are presented in Table 1; data for Soddy Mountain in Hamilton County was compiled by Jimmy Wilkerson and data for Big Bald Mountain in Unicoi County was compiled by Mark Hopey.

Table 1. Fall hawkwatch totals at Soddy Mountain and Big Bald Mountain in 2015.

Species	Soddy Mtn	Big Bald Mtn
Black Vulture	4	6
Turkey Vulture	162	628
Osprey	16	3
Bald Eagle	36	18
Northern Harrier	16	18
Sharp-shinned Hawk	130	305
Cooper's Hawk	36	55
Red-shouldered Hawk	12	3
Broad-winged Hawk	8135	1941
Red-tailed Hawk	38	108
Golden Eagle	1	3
American Kestrel	10	24
Merlin	3	23
Peregrine Falcon	16	5
unknown raptor	3	76
Total vultures	166	704
Total hawks and falcons	8452	3216

Standard Abbreviations

ad - adult
ba - banded
Co - County
Cr - Creek
ers - earliest reported sighting
et al. - and others
fide - reported by
im - immature
L - Lake
lrs - latest reported sighting
max - maximum count
m.ob. - many observers
Mtn - Mountain
NWR - National Wildlife Refuge
R - River
Rd - Road
SP - State Park
WMA - Wildlife Management Area

WESTERN COASTAL PLAIN REGION - - The fall season was marked by significantly higher than average temperatures. Only August saw below average temperatures, lower by one degree. September and October averaged two degrees above normal, while November was five degrees warmer than historic averages. Rainfall across the region was generally consistent with normal totals.

Selecting the "best" bird of the season was particularly difficult. Among the many contenders were a pair of Mottled Ducks in Dyer County, a Cave Swallow and a Ruff in

Memphis, and a Black-legged Kittiwake at Pickwick Dam in Hardin County. Across the region, the annual influx of winter residents seemed slow to arrive. Usually early birds, like White-throated Sparrow, Yellow-bellied Sapsucker, and Hermit Thrush, were notable for their paucity even by mid-October. Reports of irruptive species, such as Pine Siskin, Purple Finch, and Red-breasted Nuthatch, were almost nonexistent.

Many thanks to the folks who took the time to report their sightings, and especially those who submitted photographs or written details.

Duck - Eagle: **MOTTLED DUCK**: 5 Aug (2) Tennemo Levee (MAG). **Pacific Loon**: 30 Oct / 20 Nov (1) Pace Point (RS). **Common Loon**: 30 Sep (1) Gibson Co L (MAG), ers; 19 Nov (1) Halle Park L, Shelby Co (RH), unusual in Co; 21 Nov (1100+) Pace Point (RS), max. **Western Grebe**: 23 Oct - 21 Nov (1) Pace Point (RS). **NEOTROPIC CORMORANT**: 5 Aug (1 im) Tennemo Levee (MAG); 15 / 18 Aug (1 im) Island 13 (RS / DDP). **American White Pelican**: 14 Sep (1800) Island 13 (RS); 20 Sep (71) Ensley (RH); 11 Oct (300) Big Sandy mudflats (SZ, MCT, RS, m.ob.). **Tricolored Heron**: 18 Aug (1 ad) Tiptonville - Obion Levee Rd, Lake Co (DDP). **White-faced Ibis**: 31 Oct (1) Pace Point (RS). **Swallow-tailed Kite**: 2 Sep (1) Weakley Co (Dawn Wilkins). **Mississippi Kite**: 12 Aug (2) Trenton, Gibson Co (MAG); 3 Sep (2) Weakley Co (MAG). **Golden Eagle**: 14 / 26 Nov (1 im / 1 ad) Bennett's Cr Overlook, Henry Co (RS).

Shorebirds: **Black-necked Stilt**: 5 Aug (30) Tennemo Levee (MAG); 14 Sep (6) Island 13 (RS et al.). **American Avocet**: 20 Aug (1) Hwy 79W, Lake Co (MAG); 3 Sep (4) Tiptonville Bar, Lake Co (MAG); 5 / 14 Sep (1 / 2) Island 13 (RS); 20 Sep / 22 Nov (1 / 2) Ensley (RH / Sam Lawson). **Black-bellied Plover**: 5 Aug (1) Tennemo Levee (MAG); 13 Sep (1) Island 13 (RS). **American Golden-Plover**: 24 Sep (1) Big Sandy mudflats (RS); 23 Oct (1) Eagle Cr, Henry Co (RS). **Piping Plover**: 2 Aug (2) Great River Rd, Dyer Co (KAC), continuing from Jul; 15 / 18 Aug (1 / 2) Island 13 (RS / DDP); 14 Sep (1) Island 13 (RS et al.). **Willet**: 15 Sep (1) Tipton Co (DDP); 24 Sep (1) Big Sandy mudflats (RS). **Upland Sandpiper**: 6 / 12 Aug (2 / 1) Mt Orange, Gibson Co (MAG); 11 Aug (1) Ensley (Jay Walko); 18 Aug (1) Island 13 (DDP). **Ruddy Turnstone**: 5 Aug (2) Tennemo Levee (MAG); 18 / 20 Aug (1) Hwy 79W, Lake Co (DDP / MAG). **Red Knot**: 2-7 / 18 Sep (1 / 1) Ensley (Michael Conway, Allan Mueller, Kathleen Mueller, m.ob.), photos suggest different birds. **RUFF**: 8 Aug (1 female) Ensley (RH, Hal Mitchell, photo). **Stilt Sandpiper**: 14 Sep (12) Island 13 (RS), max. **Sanderling**: 18 Aug / 14 Sep (2 / 4) Island 13 (DDP / RS); 18 Aug (1) Hwy 79W, Lake Co (DDP); 24 Sep (8) Big Sandy mudflats (RS). **Dunlin**: 22 Oct (5) Eagle Cr, Henry Co (RS); 22 Oct (25) Britton Ford (RS); 21 Nov (30) Bennett's Cr Overlook, Henry Co (RS); 22 Nov (1) Ensley (Sam Lawson). **Baird's Sandpiper**: 5 Aug (1) Tennemo Levee (MAG); 5 Sep (3) Ensley (SZ, MCT, RS, MAG et al.); 11 Sep (2) Big Sandy mudflats (RS); 14 Sep (2) Island 13 (RS et al.). **White-rumped Sandpiper**: 25 Oct (1 im) Ensley (Virginia Reynolds). **Buff-breasted Sandpiper**: 2 Aug (2) Great River Rd, Dyer Co (KAC); 5 Aug (1) Tennemo Levee (MAG); 20 Aug (1) Hwy 79W, Lake Co (MAG); 11 Sep (1) Gibson Co (MAG); 14 Sep (1) Island 13 (RS et al.). **Pectoral Sandpiper**: 11 Aug (2500) Ensley (Jay Walko), max. **Short-billed Dowitcher**: 14 Sep (1) Island 13 (RS et al.). **Wilson's Phalarope**: 2 Aug (1) Great River Rd, Dyer Co (KAC), continuing bird.

Gull - Falcon: **Black-legged Kittiwake**: 30 Nov (2 im) Pickwick Dam (RS), with 1 continuing into Dec. **Laughing Gull**: 15 Aug / 11 Sep (1) Paris Landing / Pace Point (RS); 1 Oct (1) Pickwick Dam (RS); 11 Oct (2) Big Sandy mudflats (SZ, MCT, RS, m.ob.); 21 Nov (1) Lick Cr, Benton Co (RS). **Franklin's Gull**: 31 Oct (497) Pace Point (RS), with small numbers present 23 Oct - 21 Nov (RS). **THAYER'S GULL**: 14 Nov (1 ad) Pace Point (RS). **Lesser Black-backed Gull**: 5 Sep (1) Island 13 (RS); 11 Oct (7) Paris Landing (SZ, MCT, RS et al.), new high count in state. **Least Tern**: 3 Oct (1) Island 13 (RS), late. **Caspian Tern**: 11 Sep (70) Pace Point (RS), max. **Black Tern**: 5 Aug (22) Tennemo Levee (MAG); 10 Aug / 11 Sep (5 / 1) Gibson Co L (MAG); 30 Oct (1) Pace Point (RS), new late date in state. **Common Tern**: 20 Aug (1) Tiptonville Bar, Lake Co (MAG); 14 Sep (1) Island 13 (RS et al.); 25 Sep (4) Pace Point (RS). **Black-billed Cuckoo**: 5 Sep (1) Lake Co (MCT et al.). **Merlin**: 1 Oct (1) McNairy Co (RS); 11 Nov (1) Moss Island WMA, Dyer Co (DDP); 25 Nov (1) Chester Co (RS). **Peregrine Falcon**: 3 Sep (1) Weakley Co (MAG); 14 Sep / 3 Oct (1) Island 13 (RS et al.); 20 Sep (1) Ensley (Virginia Reynolds et al.); 25 Sep / 23 Oct (1) Pace Point (RS); 1 Oct (1) Pickwick Dam (RS); 2 Oct (1) Britton Ford (RS).

Flycatcher - Siskin: **Yellow-bellied Flycatcher**: 11 / 25 Sep (1 / 2) Pace Point (RS). **Alder Flycatcher**: 5 Sep (1 each) Lake and Dyer Cos (MCT, MAG, RS, SZ et al.). **SAY'S PHOEBE**: 23 Nov (1) Chester Co (Ruth Carr, photo). **Western Kingbird**: 5 Sep (1) President's Island, Shelby Co (SZ et al.). **Scissor-tailed Flycatcher**: 14 Sep (1) Island 13 (RS et al.). **Bell's Vireo**: 29 Aug (1) Hatchie NWR, Haywood Co (DDP). **Fish Crow**: 1 Oct / 13 Nov (3 / 1) Pickwick Dam (RS); 23 Oct (1) Britton Ford (RS). **CAVE SWALLOW**: 4 Oct (1) mouth of Wolf R, Shelby Co (RS). **Red-breasted Nuthatch**: 25 Sep (1) McKenzie, Carroll Co (Donna Ward), only report. **Golden-winged Warbler**: 11 / 25 Sep (1) Pace Point (RS); 2 Oct (1) Britton Ford (RS). **Mourning Warbler**: 3 / 20 Sep (1 female / 1 male) Munford, Tipton Co (DDP); 11 Sep (2) Pace Point (RS). **Yellow-rumped Warbler**: 24 Sep (1) Henry Co (RS), ers. **Blackpoll Warbler**: 25 Sep (1) Pace Point (Adam Beachy fide RS), rare in fall. **Canada Warbler**: 31 Aug / 9 Sep (1) Shelby Forest, Shelby Co (DDP). **Wilson's Warbler**: 5 Nov (1 male) Memphis (David Hill), late. **American Tree Sparrow**: 14 Nov (1) Wolf R greenway, Shelby Co (RH). **Clay-colored Sparrow**: 27 Oct (1) Gibson Co L (MAG). **Chipping Sparrow**: 13 Sep (1 ad feeding 1 fledgling) Williston, Fayette Co (Martha Waldron), new late date for fledglings according to the Breeding Bird Atlas. **Vesper Sparrow**: 25 Nov (1) Chester Co (RS). **Lark Sparrow**: 8 Aug (1 ad, 1 im) Ensley (RH, Hal Mitchell, photo). **Fox Sparrow**: 18 Oct (1) Paris, Henry Co (Shawna Ellis), ers. **Pine Siskin**: 25 Nov (small flock) Chester Co (RS), only report.

Locations: Big Sandy mudflats - Henry Co; Britton Ford - Henry Co; Ensley - Shelby Co; Island 13 - Lake Co; Pace Point - Henry Co; Paris Landing - Henry Co; Pickwick Dam - Hardin Co; Tennemo Levee - Dyer Co.

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HIGHLAND RIM and BASIN REGION - - Temperatures in Middle Tennessee were 1.5 degrees below average in August, but 2.6 degrees above average in September and 1.6 degrees above average in October, while November was very mild at 5.9 degrees above average. Rainfall was below average in August and September, but above average in October and November.

Highlights in August included the first Rutherford County record of Black-necked Stilt, plus a Red-necked Phalarope at Duck River Unit and a Rufous Hummingbird at Tullahoma. Later rarities included a Yellow Rail at Duck River Unit and a Hudsonian Godwit in Franklin County.

Goose - Crane: **Greater White-fronted Goose**: 31 Oct (1) Montgomery Co (Joe Hall); 31 Oct (1) Perry Co (RS); 7 Nov (24) Anderson Rd Rec Area, Davidson Co (MS, PDC); 7 Nov (60) Montgomery Co (Stanley York); 27 Nov (1) Bedford Co (DSn). **Snow Goose**: 1 Nov (2) Duck R Unit (RS); 19 Nov (110) Perry Co (RS); 27-28 Nov (4) Bedford Co (DSn); 30 Nov (1) DeKalb Co (Lydia Phillips). **Ross's Goose**: 13 Nov (5) Savannah Bottoms (RS); 27 Nov (3) Bedford Co (DSn). **Cackling Goose**: 12 Nov (51) Duck R Unit (RS). **Gadwall**: 1 Nov (9000) Duck R Unit (RS), max. **American Wigeon**: 1 Nov (7400) Duck R Unit (RS), max. **Northern Shoveler**: 1 Nov (3000) Duck R Unit (RS), max. **Northern Pintail**: 18 Oct (8000) Duck R Unit (RS), max. **Green-winged Teal**: 1 Nov (4500) Duck R Unit (RS), max. **Canvasback**: 28 Nov (2800) Duck R Unit (RS), max. **Redhead**: 9 Nov (39) L Karen, Warren Co (SNM); 20 Nov (23) Cane Cr Park, Putnam Co (SZ). **Ruddy Duck**: 1 Nov (1500) Duck R Unit (RS), max. **Red-throated Loon**: 21 Nov (1) Percy Priest L (PDC). **Pied-billed Grebe**: 1 Nov (645) Duck R Unit (RS), max. **Red-necked Grebe**: 24 Nov (1) Normandy L, Coffee Co (Victor Stoll). **American White Pelican**: 17 Oct (1100) Duck R Unit (RS), max. **American Bittern**: 21 Sep (1) marsh on Walter S. Davis Blvd, Nashville (FF). **Little Blue Heron**: 20 Aug (7) Warren Co (SNM). ***Plegadis* sp.**: 18 Oct (3) Duck R Unit, flying into Benton Co (RS, Alan Troyer), thought to be White-faced Ibis. **Mississippi Kite**: 6 Aug (2) Stewart Co (Joe Hall); 19 Aug (3) Duck R Unit (RS); 1 Oct (1) Clifton, Wayne Co (RS), quite late. **Northern Harrier**: 30 Aug (1) Bark Camp Barrens (Dale Swant), ers. **Golden Eagle**: 8 Nov (1) Clay Co (Stephen J. Stedman); 13 Nov (1 ad) Savannah Bottoms (RS). **Yellow Rail**: 10 Nov (1) Duck R Unit (Clayton Ferrell). **Virginia Rail**: 13 Nov (2) Savannah Bottoms (RS). **American Coot**: 1 Nov (22,000) Duck R Unit (RS), max. **Sandhill Crane**: thru Aug (1) Duck R Unit (RS), likely summering individual; 12 Nov (10) Duck R Unit (RS).

Shorebirds: **Black-necked Stilt**: 18 Aug (1) Eagleville (TJW, SZ), first Co record. **American Avocet**: 20-24 Aug / 13 Oct (4-1 / 3) Duck R Unit (Clayton Ferrell, RS / Michael Linz). **Black-bellied Plover**: 18-20 Aug (7-5) Bark Camp Barrens sod farm (SNM); 19 Aug / 30 Oct (2) Duck R Unit (RS); 22 Aug (1) Hillsboro Pond (Dale Swant). **American Golden-Plover**: 10-15 Sep (3-1) Eagleville (SZ, Jack Zipperer, TJW); 10-11 Sep (1-11) Duck R Unit (RS). **Semipalmated Plover**: 20 Aug (30) Eagleville (CW), max. **Greater Yellowlegs**: 22 Nov (1) Estill Springs, Franklin Co (Ken Oeser), lrs. **Willet**: 17 Aug (2) Old Hickory L (PDC). **Hudsonian Godwit**: 17-22 Nov (1, with injured leg) Estill Springs, Franklin Co (DSn, m.ob., photo), new late date in state. **Marbled Godwit**: 17-19 Aug (4-1) Duck R Unit (RS). **Ruddy Turnstone**:10-11 Aug (1) Shutes Branch Rec Area, Wilson Co (SZ); 20

Aug (4) Eagleville (CW, TJW). **Stilt Sandpiper**: 17 Aug / 22 Oct (17 / 37) Duck R Unit (RS), max; 20 Aug / 10 Sep (3 / 1) Eagleville (TJW, SZ). **Sanderling**: 20 Aug / 10 Sep (5 / 1) Eagleville (CW / TJW); 11 Sep (6) Duck R Unit (RS). **Dunlin**: 18 Oct / 30 Oct / 12 Nov (3 / 89 / 183) Duck R Unit (RS); 26-29 Oct (1) Putnam Co (CA, SZ); 28 Oct (10) Percy Priest Field Trial area, Rutherford Co (SZ, Jack Zipperer); 28 Oct (6) Coffee Co (SNM); 30 Oct (8) Tom's Cr L, Perry Co (RS); 7 Nov (12) Hillsboro Pond (DCC); 27 Nov (3) Lincoln Co (DSn); good showing. **Baird's Sandpiper**: 6 Aug / 6-11 Sep (1-3) Duck R Unit (RS); 11 Sep (1) Bell's Bend sod farm (FF). **White-rumped Sandpiper**: 10 Oct (1) Old Hickory L (PDC, MS); 22 Oct (1) Duck R Unit (RS). **Buff-breasted Sandpiper**: 20 Aug / 10-12 Sep (1-3) Eagleville (CW / SZ, TJW); 6 / 11 Sep (9 / 5) Duck R Unit (RS); 9 Sep (2) marsh on Walter S. Davis Blvd, Nashville (FF). **Pectoral Sandpiper**: 20 Aug (300) Eagleville (TJW, SZ), max. **Western Sandpiper**: 17 Aug (6) Duck R Unit (RS); 20 Aug (1) Old Hickory L (JKS); 20 Aug / 10 Sep (3 / 1) Eagleville (CW / SZ); 10 Sep (3) marsh on Walter S. Davis Blvd, Nashville (FF). **Short-billed Dowitcher**: 3 Aug (1) Duck R Unit (RS); 20 Aug (5) Bark Camp Barrens (SNM); 20 Aug (15) Eagleville (CW, TJW, SZ). **Long-billed Dowitcher**: 26 Oct (2) Putnam Co (CA, SZ); 7 Nov (8) Hillsboro Pond (DCC); 12 Nov (12) Duck R Unit (RS). **Wilson's Snipe**: 20 Aug (1) Eagleville (SZ), ers. **Wilson's Phalarope**: 3 / 19 Aug (1 / 2) Duck R Unit (RS). **Red-necked Phalarope**: 19 Aug (1) Duck R Unit (RS, Alan Troyer, Victor Stoll).

Gull - Falcon: **Laughing Gull**: 10 Sep (1) Duck R Unit (RS). **Franklin's Gull**: 12 Oct (1) Edgar Evins SP, DeKalb Co (Mark Taylor); 17 Oct - 12 Nov (1-2) Duck R Unit (RS); 25 Nov (1) Percy Priest L (Richard Connors, JKS). **Lesser Black-backed Gull**: 9 Oct / 28 Nov (1ad) Duck R Unit (RS). **Least Tern**: 6 Aug (1) Duck R Unit (RS). **Caspian Tern**: 6 Aug (48) Duck R Unit (RS), max. **Black Tern**: 6 Aug (15) Duck R Unit (RS); 18 Aug (5) Hillsboro Pond (SNM); 20 Aug (5) Old Hickory L (JKS). **Chimney Swift**: 4 Nov (5) Montgomery Co (Cyndi Routledge), lrs. **Rufous Hummingbird**: 17 Aug (1) Tullahoma, Franklin Co (LouAnn Partington). **Merlin**: 11 Sep / 12 and 28 Nov (1) Duck R Unit (RS); 1 Oct (1) Savannah Bottoms (RS); 3 Oct (1) Smith Co (CA); 4 Oct (1) Bell's Bend (Josh Stevenson); 13 Nov (1) Bark Camp Barrens (SZ); 24 Nov (1) Anderson Rd Rec Area, Davidson Co (Richard Connors). **Peregrine Falcon**: 22 Sep (1) Radnor L (FF); 26 Sep / 7 Nov (1) Perry Co (RS); 1 Oct (1) Wayne Co (RS); 2 Oct (1) Murfreesboro (CW); 4 Oct (1) Eagleville (SZ); 4 Oct (1) Bark Camp Barrens (DSn); 4 / 18 Oct (1) Duck R Unit (RS); 15 Oct (1) downtown Nashville (CAS); 7 Nov (1) Hillsboro Pond (DSn).

Flycatcher - Longspur: **Olive-sided Flycatcher**: 12 Sep (1) Shelby Park (FF, PDC); 13 / 17 Sep (1) Radnor L (MS, JKS). **Yellow-bellied Flycatcher**: 17 Sep / 4 Oct (1) Perry Co (RS); 21 Sep (1) Percy Priest Field Trials Area, Rutherford Co (SZ); 10 Oct (1) Murfreesboro (CW). **Scissor-tailed Flycatcher**: 1 Oct (1) flying across TN R from Decatur Co into Wayne Co (RS); 11 Oct (8) Rutherford Co (Kristy Baker), lrs. **Blue-headed Vireo**: 20 Nov (1) Warren Co (RDH, DMy), lrs. **Philadelphia Vireo**: 26 Sep (3) Jolly's Rock, Franklin Co (DJS). **Fish Crow**: 28 Nov (1) Duck R Unit (RS). **Barn Swallow**: 12 Nov (1) Duck R Unit (RS), lrs. **Sedge Wren**: 25 Aug / 10 Nov (7 / 4 Fort Campbell (DMo); 10 Sep (1) Duck R Unit (RS); 3-5 Oct (1) Shelby Bottoms (PDC, FF). **Marsh Wren**: 3 Oct (1) Shelby Bottoms (PDC, FF); 20 Oct (1) Bell's Bend (FF). **Blue-gray Gnatcatcher**: 7 Nov (1) Shelby Park (Jim Arnett), lrs. **Gray Catbird**: 10 Nov (1) Lewis Co (Bill Pulliam), lrs. **Lapland Longspur**: 13 Nov (3) Savannah

Bottoms (RS); 14 Nov (2) Bell's Bend sod farm (MS).

Warblers: **Golden-winged Warbler**: 26 Aug / 8 Sep (1) Radnor L (JKS); 19 Sep (1) Manchester, Coffee Co (Chad Smith); 26 Sep / 2 Oct (1 / 2) Radnor L (CAS / JKS); 4 Oct (1) Smith Co (CA). **"Lawrence's" Warbler**: 17 Sep (1) Perry Co (RS). **Tennessee Warbler**: 21 Aug (1) Murfreesboro (CW), ers. **Orange-crowned Warbler**: 10 Oct (1) Murfreesboro (CW); 22 Oct (1) Humphreys Co (RS); 30 Oct (1) Duck R Unit (RS); 7 Nov (1) Perry Co (RS); 10 Nov (1) Fort Campbell (DMo); 11 Nov (1) Bell's Bend (FF); 27 Nov (2) Sumner Co (MS). **Mourning Warbler**: 7-8 Sep (1) Radnor L (FF, JKS); 19 Sep (1) Humphreys Co (RS); 26 Sep / 8 Oct (1) Perry Co (RS); 27 Sep (1) Shelby Bottoms (Andy Lantz); 27 Sep (1) Warren Co (SNM). **Kentucky Warbler**: 1 Oct (1) Lewis Co (RS), lrs. **Common Yellowthroat**: 7 Nov (1) Montgomery Co (Stanley York), lrs. **Cape May Warbler**: 10 Sep (1) Radnor L (JKS); 26-27 Sep (2) Rockvale, Rutherford Co (Kristy Baker); 6 Oct (1) Smith Co (CA). **Magnolia Warbler**: 26 Aug (1) Radnor L (JKS), ers. **Blackburnian Warbler**: 17 Aug (1) Duck R Unit (RS), ers. **Chestnut-sided Warbler**: 21 Aug (1) Murfreesboro (CW), ers. **Black-throated Blue Warbler**: 15 Sep (1) Moore Co (DJS); 29 Sep (1 female) Radnor L (FF, JKS). **Black-throated Green Warbler**: 7 Nov (1) Shelby Park (Jim Arnett), lrs. **Canada Warbler**: 24 Aug (1) Peeler Park, Davidson Co (PDC, MS); 7 Sep (1) Radnor L (JKS, FF). **Wilson's Warbler**: 10 / 22-29 Sep (1-2) Radnor L (JKS, FF, CAS, Kevin Bowden); 26 Sep (1) Jolly's Rock, Franklin Co (DJS).

Sparrow - Siskin: **American Tree Sparrow**: 15 Nov (1) Indian Cr Hunt Club, Humphreys Co (David Buehler). **Vesper Sparrow**: 20 Oct (1) marsh on Walter S. Davis Blvd, Nashville (FF); 30 Oct (1) Perry Co (RS); 10 Nov (1) Bell's Bend (FF); 12 Nov (6) Duck R Unit (RS). **Grasshopper Sparrow**: 16 Nov (1) Austin Peay State University, Montgomery Co (Stefan Woltmann), lrs. **Henslow's Sparrow**: 17 Aug (12) Fort Campbell (DMo). **Le Conte's Sparrow**: 22 Oct (1) Duck R Unit (RS); 2 Nov (1) Bell's Bend (FF); 10 Nov (1) Fort Campbell (DMo). **Nelson's Sparrow**: 30 Oct (1) Perry Co (RS). **Summer Tanager**: 27 Nov (1) Old Hickory Dam (PDC, MS), lrs. **Blue Grosbeak**: 26 Oct (1) Lewis Co (Bill Pulliam); 30 Oct (1) Perry Co (RS); lrs. **Dickcissel**: 25 Aug (1) Fort Campbell (DMo), lrs. **Bobolink**: 10 Sep (157) Duck R Unit (RS); 12 Sep (24) Bell's Bend (Nashville chapter TOS). **Rusty Blackbird**: 25 Nov (10) White Co (Doug Downs), ers. **Brewer's Blackbird**: 13 Nov (6) Savannah Bottoms (RS); 22 Nov (1) Dickson Co (Victor Stoll). **Purple Finch**: 7 Nov (1) Wayne Co (Jud Johnston), only report. **Pine Siskin**: 10 Nov (8) Fort Campbell (DMo), ers.

Locations: Bark Camp Barrens - Coffee Co; Bell's Bend - Davidson Co; Duck R Unit - Humphreys Co; Eagleville - Rutherford Co; Fort Campbell - Montgomery Co; Hillsboro Pond - Coffee Co; Murfreesboro - Rutherford Co; Old Hickory L - Davidson Co; Percy Priest L - Davidson Co; Radnor L - Davidson Co; Savannah Bottoms - Hardin Co; Shelby Park and Bottoms - Davidson Co.

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CUMBERLAND PLATEAU / RIDGE and VALLEY REGION - - August was slightly cooler than normal, but the remainder of the season saw above average temperatures. November was the third warmest on record in the Tri-cities area and was 5.1 degrees warmer than average at Chattanooga. Rainfall was above average each month except September, with nearly twice the normal amount in both August and October.

A cooperative adult male Black Scoter on Melton Hill Lake was a treat for many observers. A group of eight female-type Common Mergansers on the Big South Fork in late September was certainly suggestive of successful breeding. Common Gallinules appeared at four sites. Multiple reports were received for American Avocet, Willet, Ruddy Turnstone, and Buff-breasted Sandpiper, indicating a good shorebird flight. Chickamauga Lake produced another Little Gull, this one an adult. Merlin and Peregrine Falcon continue to be seen in good numbers. Shrikes continue to be disturbingly scarce. A stunning Lawrence's Warbler was photographed in Knoxville; this recessive hybrid is seldom encountered. A Clay-colored Sparrow and three reports of Lark Sparrow were notable for East Tennessee.

Waterfowl: **Greater White-fronted Goose**: 21 Nov (2) Knox Co (MM); 25 Nov (3) Chickamauga L (DRJ). **Snow Goose**: 19 Nov (86, flying over) Marion Co (Tommie Rogers), high number for east TN. **Ross's Goose**: 25 Nov (1) Chickamauga L (DRJ). **Cackling Goose**: 24-25 Nov (1) Middlebrook L, Sullivan Co (RRK, KN, Gil Derouen). **Redhead**: 6 Oct (1 male) Swan Pond Rec Area (Carole Gobert), ers. **Surf Scoter**: 27 Oct (1) L Tansi, Cumberland Co (EKL). **Black Scoter**: 14-26 Nov (1 ad male, joined by female on 23-26 Nov) Melton Hill L, Anderson Co (Bob Kozma, m.ob.). **Hooded Merganser**: 4 Oct (1) Austin Springs (RLK), ers. **Common Merganser**: 2 Jun (1 female-type) Burnt Mill Bridge (Antonio Xeira) and 22-23 Sep (8 female-type) Big Island (Nora Murdock, Robert Emmot, Evan Raskin), both reports on the Big South Fork in Scott Co; 20 Nov (3 female-type) Boone L (Michele Sparks).

Loon - Gallinule: **Common Loon**: 3 Aug (1, breeding plumage) Tennessee R, Marion Co (BD); 9 Nov (420) Chickamauga L (BD), max. **Horned Grebe**: 9 Nov (114) Chickamauga L (BD), max. **American White Pelican**: 16 / 26 Nov (6 / 20) Hiwassee Refuge, Meigs Co (Charles Murray); 24-28 Nov (1) Middlebrook L, Sullivan Co (JWC, m.ob.). **Great Egret**: 12 Sep (300 +) Rankin Bottoms (CJW et al.), max; 10 Oct (21) John Sevier L (SHu), good number there. **Snowy Egret**: 1 Aug - 2 Sep (1) Rankin Bottoms (MBS, RLK); 1 Oct (1) John Sevier L (SHu). **Little Blue Heron**: 1-24 Aug (1-6 im) Rankin Bottoms (MBS); 2 Aug (1 im) Swan Pond Rec Area (CJW). **Cattle Egret**: 19 Sep (207 / 63) separate sites in Loudon Co (Steve and Gail Clendenen). **Green Heron**: 10 Nov (1) Hawkins Co (Bill Grigsby et al.), lrs. **Golden Eagle**: 17 Sep (1 ad) Soddy Mtn (Jimmy Wilkerson et al.). **Virginia Rail**: 18 Oct (1) Brainerd Levee (KAC, DRJ, Gary Brunvoll, John Dever); heard throughout season at Standifer Gap Marsh, Hamilton Co (fide KAC). **Sora**: 9 Sep (1) Seven Islands SP (MM); 26 Sep (2) Kingsport (RAP); 13 Oct (1) Cherokee Farm (CJW). **Common Gallinule**: 1 / 10 Oct (1 / 5) John Sevier L (SHu); 25-27 Oct (1 im) L Hiawatha, Cumberland Co (EKL); 3-8 Nov (1) Kingsport, on south fork Holston R, Sullivan Co (Bill Grigsby et al.); 4-18 Nov (1) Swan Pond Rec Area (Josh Stevenson, m.ob.).

Shorebirds: **American Avocet**: 23 Sep (1) Rankin Bottoms (Ron Shrieves, photo); 15-21

Nov (2) Grace Pond, Hamilton Co (DRJ, m.ob.). **Black-bellied Plover**: 29 Aug - 2 Sep (1) Rankin Bottoms (MBS, David Kirschke, m.ob.); 3-5 Oct (1) Chickamauga L (DRJ, m.ob.). **American Golden-Plover**: 31 Aug - 2 Sep / 19 Sep (1-2) Rankin Bottoms (MBS / CJW); 20 Oct (5) Rankin Bottoms (MBS). **Willet**:19 Aug (1) Eagle Bend (Shane Williams); 20 Aug (1) Camp Jordan (Janice Chadwell); 22-26 Sep (1) Paddle Cr pond (RRK, KN, Gil Derouen, m.ob.), new late date in NE TN. **Ruddy Turnstone**: 19-29 Aug (1) Eagle Bend (Shane Williams, m.ob.); 10-19 Sep (1) Rankin Bottoms (RLK, MBS). **Stilt Sandpiper**: 2-23 Sep (3-22) Rankin Bottoms (MBS, RLK, m.ob.). **Sanderling**: 17-24 Aug / 16-19 Sep (1-5) Rankin Bottoms (MBS, RLK, m.ob.). **Baird's Sandpiper**: 24 Aug - 10 Sep (1-4) Rankin Bottoms (MBS, RLK, m.ob.). **White-rumped Sandpiper**: 13 Oct (1) Eagle Bend (Chuck Estes). **Buff-breasted Sandpiper**: 31 Aug - 23 Sep (1-5) Rankin Bottoms (RLK, MBS, m.ob.); 9 Sep (2) Eagle Bend (RDH, DMy); 10 Sep (3) Camp Jordan (BD, m.ob.). **Western Sandpiper**: 17 Aug - 2 Sep (1-3) Rankin Bottoms (MBS, m.ob.); 26 Aug (1) Eagle Bend (RDH, DMy). **Short-billed Dowitcher**: 29 Aug / 8-10 Sep (1-2) Rankin Bottoms (MBS, RLK, m.ob.). **Wilson's Snipe**: 5 Sep (1) Rankin Bottoms (RLK), ers. **Wilson's Phalarope**: 6 / 19 Aug (1) Camp Jordan (KAC / BD).

Gull - Falcon: **Little Gull**: 25-27 Nov (1 ad) Chickamauga L (DRJ, m.ob.). **Laughing Gull**: 5-23 Sep / 20 Oct (1-2) Rankin Bottoms (RLK, MBS, m.ob.); 3-5 Oct (1) Chickamauga L (DRJ, m.ob.). **Ring-billed Gull**: 31 Aug (104) Rankin Bottoms (RLK), good number that early. **Least Tern**: 20 Aug (1) Eagle Bend (RDH, DMy), rare in east TN. **Caspian Tern**: 17 Aug - 2 Sep (1-6) Rankin Bottoms (MBS, RLK). **Black Tern**: 3 Aug (6) Nickajack L, Marion Co (KAC); 18 Sep (1) Eagle Bend (Chuck Estes, Lola Estes); 19 Sep (1) South Mouse Cr, Bradley Co (BD). **Common Tern**: 12 / 23 Sep (4 / 1) Upper Douglas L, Cocke Co (Beth Schilling / Ron Shrieves); 23 Sep (1) Nickajack L, Marion Co (KAC). **Forster's Tern**: 26 Sep (1) Fort Patrick Henry L, Sullivan Co (Bill Grigsby et al.). **Merlin**: 18 Aug (1) Paddle Cr pond (RRK et al.); 26 Sep (1) Boone L, Sullivan Co (Charles Moore); 27 Oct (1) L Tansi, Cumberland Co (EKL); 15 Nov (1) Knox Co (CJW); 19 Nov (1) Bluff City, Sullivan Co (RLK). **Peregrine Falcon**: 15 / 18 Sep (1) Paddle Cr pond (JWC); 19 Sep (1) Rankin Bottoms (CJW); 4 Oct (7) Soddy Mtn (Jimmy Wilkerson et al.) highest one-day count ever at this hawkwatch; 15 Nov (1) Knox Co (CJW); 21 Nov (1) Greenway Farm, Hamilton Co (David Aborn); 25 Nov (1) Amnicola Marsh, Hamilton Co (DCC).

Flycatcher - Warbler: **Olive-sided Flycatcher**: 15 Sep (1) Paddle Cr pond (JWC). **Acadian Flycatcher**: 1 Oct (1) Washington Co (RLK), lrs. **Scissor-tailed Flycatcher**: 1 Oct (1) White Pine, Jefferson Co (photo fide SZ). **Loggerhead Shrike**: 16 Nov (1) Washington Co (GDE), only report. **Warbling Vireo**: 21 Aug (1) Eagle Bend (RDH, DMy). **Philadelphia Vireo**: 28 Sep (1) Johnson City (RLK); 4 Oct (1) Austin Springs (RLK). **Red-eyed Vireo**: 10 Nov (1) Knox Co (KDE), new late date in TN. **Common Raven**: 10 Aug (1) Phipps Bend, Hawkins Co (RAP); 19 Aug (1) Bluff City, Sullivan Co (RLK); 3 Oct (1) Bristol (RLK); 5 Oct (1) Kingsport (RLK);12 Oct (1) Conklin, Washington Co (RLK). **Red-breasted Nuthatch**: 21 Oct (1) Hamilton Co (Tim Jeffers), only report. **Sedge Wren**: 17 Sep (1) Cherokee Farm (MM); 7 / 18 Oct (4 / 2) Brainerd Levee (KAC, DRJ). **Marsh Wren**: 22 Sep (1) Chattanooga (BD); 7 Oct (1) Brainerd Levee (KAC, DRJ). **Blue-gray Gnatcatcher**: 15 Nov (1) Knox Co (CJW), lrs. **Hermit Thrush**: 16 Oct (4) Johnson City (RLK), ers. **Northern Waterthrush**:

25 Aug (1) Lookout Mtn, Hamilton Co (BD), ers. **Golden-winged Warbler**: 21 Aug (1) Knoxville (KDE); 30 Aug (1) Bristol (Ron Carrico); 21 Sep (1) Craven's House, Hamilton Co (Hugh Barger). "**Lawrence's" Warbler**: 22 Aug (1) Knoxville (Lee Yarnell, photo, fide Stephen J. Stedman). **Orange-crowned Warbler**: 25 Nov (1) Amnicola Marsh, Hamilton Co (BD). **Cerulean Warbler**: 19 Sep (1) Greenway Farm, Hamilton Co (David Aborn). **Chestnut-sided Warbler**: 17 Aug (1) Eagle Bend (RDH, DMy), ers away from breeding areas. **Blackpoll Warbler**: 8 Oct (1) Bristol (Ron Carrico, photo), rare in fall. **Yellow-breasted Chat**: 26 Sep (1) Austin Springs (RLK), lrs.

Sparrow - Siskin: **CLAY-COLORED SPARROW**: 20 Sep (1, ba) Seven Islands SP (fide MM). **Vesper Sparrow**: 14 Oct (1) Seven Islands SP (MM). **Lark Sparrow**: 27 Aug (1) Paddle Cr pond (RRK, KN, Reece Jamerson); 13 Sep (1) Chattanooga (BD); 24 Sep (1) Austin Springs (RLK). **Lincoln's Sparrow**: 26 Oct (1) Kingsport (RLK); 30 Oct (1) Cleveland, Bradley Co (DCC). **Rose-breasted Grosbeak**: 13 Nov (1, at feeder) Steele Cr Park, Sullivan Co (Larry McDaniel), late. **Blue Grosbeak**: 12 Oct (2) Washington Co (RLK), lrs. **Dickcissel**: 25 Aug (2, calling in flight) Knoxville (KDE). **Bobolink**: 7 Oct (1) Brainerd Levee (KAC, DRJ); 10 / 13 Oct (4) Cherokee Farm (CJW). **Rusty Blackbird**: 15 Nov (1) Knox Co (CJW), ers **Purple Finch**: 9 Nov (1) Maryville, Blount Co (WB); 22 Nov (3) Johnson City (KN). **Pine Siskin**: 1 Nov (10) Maryville, Blount Co (WB), few other reports.

Locations: Austin Springs - Washington Co; Brainerd Levee - Hamilton Co; Camp Jordan - Hamilton Co; Cherokee Farm - Knox Co; Chickamauga L - Hamilton Co; Eagle Bend - fish hatchery in Anderson Co; John Sevier L - Hawkins Co; Paddle Cr pond - Sullivan Co; Rankin Bottoms - Cocke Co; Seven Islands SP - Knox Co; Soddy Mtn - Hamilton Co; Swan Pond Recreation Area - Roane Co.

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EASTERN MOUNTAIN REGION - - Temperatures were above average for the period as a whole and for each month within the period. November was especially warm with temperatures about five degrees above average. Precipitation, too, was above normal during autumn. August was particularly wet with six inches of rainfall, which was 2.5 inches above normal. The first frost of the season was noted on 14 September on the summits of Roan Mountain and Mount Le Conte.

Highlights of the hawkwatch at Big Bald Mountain in Unicoi County included three Golden Eagles and 23 Merlins (see Table 1, above). A Common Gallinule at the weir downstream from South Holston Dam was unusual in the region and late. Two separate sightings of Franklin's Gull at South Holston Lake were rare finds. Other highlights included Tundra Swan, a lingering Common Merganser, American Avocet, and Connecticut Warbler.

Banding operations in the region produced good numbers and diversity of captures. A raptor banding station was operated at Big Bald Mountain in addition to the banding of passerines. Swainson's Warbler is very rarely observed or netted in the fall, so one banded at

Whigg Meadow was a definite highlight. Below are summaries for each station.

- Whigg Meadow, Monroe County: 29 Aug - 27 Sep, 1149 birds of 48 species banded, David Vogt head bander. Top species banded: Tennessee Warbler (266), Swainson's Thrush (170), Blue-headed Vireo (114), Black-throated Blue Warbler (93), and Chestnut-sided Warbler (71).
- Big Bald Mountain, Unicoi County: late Aug into Nov, 3243 birds of 68 species banded, Mark Hopey bander. Top species banded: Tennessee Warbler (726), Dark-eyed Junco (424), Swainson's Thrush (410), Black-throated Blue Warbler (378), and Cape May Warbler (201).
- Big Bald Mountain hawk banding operation: Sep into Nov, 100 birds of six species banded, Mark Hopey bander. All species banded: Sharp-shinned Hawk (68), Cooper's Hawk (15), Broad-winged Hawk (2), Red-tailed Hawk (8), American Kestrel (1), and Merlin (6).

Swan - Gallinule: **Tundra Swan**: 23 Nov (1) Watauga L, Carter Co (BP, JP, RLK). **Northern Shoveler**: 2 Nov (14) South Holston L (RLK), max. **Greater Scaup**: 2 Nov (1) South Holston L (RLK); 22 Nov (3) Fishery Park, Unicoi Co (Joe McGuiness). **Common Merganser**: 3-18 Oct (1 female) Watauga R (BP, JP, BKS, RLK), likely continuation of summering bird. **Common Loon**: 7 Nov (57) South Holston L (RRK et al.), max. **Horned Grebe**: 17-19 Aug (2) South Holston L (MWS, photo), new early date in NE TN; 9 Nov (255+) South Holston L (RLK), max. **Eared Grebe**: 22 Sep (1) South Holston L (JWC), only report (but see winter season). **Double-crested Cormorant**: 7 Nov (176) South Holston L (RRK et al.), max. **Little Blue Heron**: 1-21 Aug (1 im) South Holston L (MWS, JWC, m.ob.). **Black-crowned Night-Heron**: 1 / 24 Aug, 22 Sep (1) South Holston L (MWS, JWC). **Yellow-crowned Night-Heron**: 11 Sep (1) Watauga R (RLK), lrs. **Osprey**: 20 Nov (1) Watauga R (RLK), lrs. **Bald Eagle**: 29 Aug (1) Roan Mtn (RRK, GDE et al.). **Sora**: 26 Sep (2) Shady Valley (GDE, RPL, Peter Range). **Common Gallinule**: 2-19 Nov (1 im) South Holston R weir (RLK, m.ob.), new late date in NE TN.

Shorebirds - Tern: **American Avocet**: 10 Aug (2) South Holston L (Rack Cross). **Black-bellied Plover**: 4-5 Oct (1) South Holston L (Ron Carrico, RBB). **Spotted Sandpiper**: 2 Nov (1) South Holston R weir (RLK), lrs. **Greater Yellowlegs**: 7 Nov (3) South Holston L (TSM, RBB), lrs. **Sanderling**: 3-4 Sep / 21 Sep - 4 Oct (1-2) separate sites at South Holston L (MWS / RLK, m.ob.). **Dunlin**: 4 Oct - 14 Nov (1-4) South Holston L (Jim Anderson, TSM, RBB, m.ob.). **Western Sandpiper**: 13 Aug (1) South Holston L (Jim Anderson, photo). **Laughing Gull**: 11-16 Aug / 13 Sep (2 / 1) South Holston L (MWS / RLK). **Franklin's Gull**: 13 Oct / 7 Nov (1 / 2) South Holston L (RLK), second and third records at this site, rare in east TN. **Ring-billed Gull**: 20 Aug (1) South Holston L (RRK), early. **Caspian Tern**: 15 Aug - 22 Sep (1-4) South Holston L (MWS, RRK, JWC, m.ob.). **Black Tern**: 14-29 Aug / 11 Sep (7-31 / 1) South Holston L (MWS, RRK, JWC, RLK, m.ob. / RAP). **Common Tern**: 11 Sep / 3 Oct (1) South Holston L (RAP / RLK). **Forster's Tern**: 11 Aug - 21 Sep / 7 Nov (1-2 / 5) South Holston L (MWS, RRK, RLK / TSM, RBB).

Cuckoo - Falcon: **Black-billed Cuckoo**: 3 Aug (1) Yellow Mtn Gap, on Carter Co, TN / Avery Co, NC line (Jim Tietz); 26 Sep (1) Shady Valley (GDE, RPL, Peter Range). **Northern**

Saw-whet Owl: 26 Sep (1) Unaka Mtn, Unicoi Co (Joe McGuiness). **Ruby-throated Hummingbird**: 4 Nov (1) Wilbur L, Carter Co (BP, JP), new late date in NE TN. **Rufous Hummingbird**: mid Nov - 14 Dec (1 ad female) South Holston L (Mae Musick, m.ob., banded by Mark Armstrong). **Red-headed Woodpecker**: 18 Aug (1) Cades Cove, GSMNP (WB); 19 Sep (1) Carver's Gap on Roan Mtn (RLK). **Merlin**: 4 / 15 Sep (1) Roan Mtn (RAP / RLK); 17 Sep (1) Unaka Mtn, Unicoi Co (FJA); 22 Sep (1) South Holston R (JWC); 26 Sep (1) Roan Mtn village (FJA, KBr). **Peregrine Falcon**: 15 Sep (1) Elizabethton (TSM); 26 Sep (1) Ripshin L, Carter Co (FJA, KBr); 3 Oct (1) South Holston L (RLK, BP, JP); 6 Oct (1) Cades Cove, GSMNP (WB).

Flycatcher - Thrush: **Olive-sided Flycatcher**: 26 Sep (1) Miller L, Carter Co (KBr, FJA). **Yellow-bellied Flycatcher**: 13 Sep (2) South Holston L (RLK). **Acadian Flycatcher**: 7 Oct (1, ba) Holston Valley (RPL), new late date in NE TN. **Warbling Vireo**: 18 Sep (1) Elizabethton (RLK), lrs. **Philadelphia Vireo**: 14 Sep (1) Elizabethton (TSM); 24-25 Sep (3, ba) Whigg Meadow (DFV). **Red-eyed Vireo**: 17 Oct (1 each) Holston Valley / Sycamore Shoals SP (RPL / BKS), lrs. **Horned Lark**: 28 Nov (7) South Holston L (Andy Jones, JWC, m.ob.). **Tree Swallow**: 22 Sep (3000) South Holston R (JWC), max. **Red-breasted Nuthatch**: 27 Sep (3) Pinnacle Mtn trail, Unicoi Co (KN), ers away from breeding areas. **Marsh Wren**: 26 Sep (1) Mountain City, Johnson Co (TSM, Cathy McNeil); 4-5 Oct (1) Simerly Cr, Carter Co (BKS); 6-8 Oct (1) Shady Valley (RLK, m.ob.). **Swainson's Thrush**: 28 Oct (1, ba) Holston Valley (RPL), lrs.

Warbler - Siskin: **Ovenbird**: 13 Oct (1, ba) Holston Valley (RPL), lrs. **Blue-winged Warbler**: 28 Aug / 18 Sep (1) Elizabethton (RLK); 8 Sep (1, ba) Whigg Meadow (DFV); 16 Sep (1) Shady Valley (RLK); 19 Sep (1) Cades Cove, GSMNP (Marjorie Dunham). **Golden-winged Warbler**: 8-26 Sep (4, ba) Whigg Meadow (DFV); 19 Sep (1) Roan Mtn (RLK), lrs. **Swainson's Warbler**: 31 Aug (1, ba) Whigg Meadow (DFV), first ever banded at this station. **Orange-crowned Warbler**: 30 Sep (1) South Holston L (Ron Carrico); 20 Oct (1) Shady Valley (RLK). **Nashville Warbler**: 16 Sep (1) Shady Valley (RLK). **Connecticut Warbler**: 7 Oct (1, ba) Holston Valley (RPL). **Mourning Warbler**: 3 Sep (1) South Holston L (RLK). **Blackpoll Warbler**: 12 / 14 Oct (1, ba each date) Holston Valley (RPL). **Black-throated Blue Warbler**: 24 Oct (1, ba) Holston Valley (RPL), lrs. **Palm Warbler**: 30 Oct (1, Yellow Palm, ba) Holston Valley (RPL). **Yellow-throated Warbler**: 17 Oct (1) Sycamore Shoals SP (BKS), lrs. **Wilson's Warbler**: 28 Aug (1) Elizabethton (RLK); 6 Sep (1, ba) Whigg Meadow (DFV); 19 Sep (1) Roan Mtn (RLK). **Lincoln's Sparrow**: 6-20 Oct (max 11 on last date) Shady Valley (RLK), equals previous regional high count; 17 Oct (1) Sycamore Shoals SP (BKS). **Bobolink**: 6 Oct (10) Shady Valley (RLK). **Purple Finch**: 5 Nov (1 male) Holston Valley (RPL), ers of few reports. **Red Crossbill**: 4 Aug (6) GSMNP (Keith Watson); 21 Aug - 19 Sep (2-10) Roan Mtn (RLK); 18 Sep (7) Shady Valley (JWC). **Pine Siskin**: 2 Aug (2) Clingman's Dome, GSMNP (Alan Troyer); 21 Aug / 15 Sep (1) and 4 Nov (60) Roan Mtn (RLK); 10 Nov (2) Wilbur L, Carter Co (BP, JP).

Locations: Elizabethton - Carter Co; GSMNP - Great Smoky Mtns. National Park; Holston Valley - Sullivan Co; Roan Mtn - Carter Co; Shady Valley - Johnson Co; South Holston L - Sullivan Co; South Holston R (including the weir) - Sullivan Co; Sycamore Shoals SP -

Carter Co; Watauga R - Carter Co; Whigg Meadow - Monroe Co.

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